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### LOGINID:SSPTAJHM1624

# PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

TE	ERMI	VAL	(ENT	ER 1,	, 2, 3, OR ?):2
*	* *	* *	* *	* *	* Welcome to STN International * * * * * * * * *
ľ	IEWS	1			Web Page for STN Seminar Schedule - N. America
r	IEWS	2	AUG	06	CAS REGISTRY enhanced with new experimental property tags
ľ	IEWS	3	AUG	06	FSTA enhanced with new thesaurus edition
ľ	IEWS	4	AUG	13	CA/CAplus enhanced with additional kind codes for granted
					patents
ľ	NEWS	5	AUG	20	CA/CAplus enhanced with CAS indexing in pre-1907 records
ľ	NEWS	6	AUG	27	Full-text patent databases enhanced with predefined
					patent family display formats from INPADOCDB
	IEWS	7	AUG		USPATOLD now available on STN
ľ	IEWS	8	AUG	28	CAS REGISTRY enhanced with additional experimental
					spectral property data
1	IEWS	9	SEP	07	STN AnaVist, Version 2.0, now available with Derwent
					World Patents Index
	IEWS		SEP		FORIS renamed to SOFIS
	IEWS		SEP		INPADOCDB enhanced with monthly SDI frequency
1	IEWS	12	SEP	1/	CA/CAplus enhanced with printed CA page images from 1967-1998
7	IEWS	13	SEP	17	CAplus coverage extended to include traditional medicine
L	CMT	13	SEF	1/	patents
7	IEWS	1.4	SEP	24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
	IEWS		OCT		CA/CAplus enhanced with pre-1907 records from Chemisches
				-	Zentralblatt
ľ	IEWS	16	OCT	19	BEILSTEIN updated with new compounds
ľ	IEWS	17	NOV	15	Derwent Indian patent publication number format enhanced
ľ	IEWS	18	NOV	19	WPIX enhanced with XML display format
ľ	IEWS	19	NOV	30	ICSD reloaded with enhancements
ľ	NEWS	20	DEC	04	LINPADOCDB now available on STN
	IEWS		DEC		BEILSTEIN pricing structure to change
	NEWS		DEC		USPATOLD added to additional database clusters
	NEWS		DEC		IMSDRUGCONF removed from database clusters and STN
	IEWS		DEC		DGENE now includes more than 10 million sequences
ľ	NEWS	25	DEC	17	TOXCENTER enhanced with 2008 MeSH vocabulary in
					MEDLINE segment
	IEWS		DEC		MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
	IEWS		DEC		CA/CAplus enhanced with new custom IPC display formats
ľ	IEWS	28	DEC	17	STN Viewer enhanced with full-text patent content from USPATOLD
,	IEWS	20	JAN	0.0	
	NEWS		JAN		STN pricing information for 2008 now available CAS patent coverage enhanced to include exemplified
1	MEMO	30	OMIN	10	prophetic substances
					Professional Composition
r	IEWS	EXP	RESS	19	SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
-					RRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
					CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS LOGIN Welcome Banner and News Items

For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 12:26:31 ON 21 JAN 2008

=> file registry

provided by InfoChem.

NEWS TPC8

 COST IN U.S. DOLLARS
 SINCE FILE TOTAL SESSION

 FULL ESTIMATED COST
 0.21
 0.21
 0.21

FILE 'REGISTRY' ENTERED AT 12:26:44 ON 21 JAN 2008 USE IS SUBUECT TO THE TERMS OF YOUR SIN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file

STRUCTURE FILE UPDATES: 20 JAN 2008 HIGHEST RN 1000368-36-4
DICTIONARY FILE UPDATES: 20 JAN 2008 HIGHEST RN 1000368-36-4

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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http://www.cas.org/support/stngen/stndoc/properties.html

=> Uploading C:\Program Files\Stnexp\Oueries\10 series\10539546\10539546a.str

chain nodes: 7 14 15 16 ring nodes: 1 2 3 4 5 6 8 9 10 11 12 13 chain bonds:
2-8 5-7 6-14 14-15 14-16
ring bonds:
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13
exact/norm bonds:
5-7 14-15 14-16
exact bonds:
2-8 6-14
normalized bonds:
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13

Match level: 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS

#### L1 STRUCTURE UPLOADED

=> d l1 L1 HAS NO ANSWERS L1 STR

Structure attributes must be viewed using STN Express query preparation.

=> s 11 SAMPLE SEARCH INITIATED 12:27:04 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 88 TO ITERATE

100.0% PROCESSED 88 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

50 ANSWERS

L2 50 SEA SSS SAM L1

=> d scan

L2 50 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Pyrazinecarboxamide, 3-amino-6-[3-[[(5-chloro-2,3-dihydro-1H-inden-1-yl)amino]methyl]phenyl]-N-methyl- (9CI)

MF C22 H22 C1 N5 O

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>
Uploading C:\Program Files\Stnexp\Queries\10 series\10539546\10539546b.str

chain nodes :

7 14 15 16 17 ring nodes:
1 2 3 4 5 6 8 9 10 11 12 13 chain bonds:
2 8 5 7 6-14 14-15 14-16 16-17 ring bonds:
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13 exact/norm bonds:
5-7 14-15 14-16 16-17 exact bonds:
2-8 6-14 normalized bonds:

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13

Match level: 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom

## L3 STRUCTURE UPLOADED

=> d 13 L3 HAS NO ANSWERS L3 STR

Structure attributes must be viewed using STN Express query preparation.

=> s 13 SAMPLE SEARCH INITIATED 12:28:16 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 88 TO ITERATE

100.0% PROCESSED 88 ITERATIONS 26 ANSWERS SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
BATCH \*\*COMPLETE\*\*
PROJECTED ITERATIONS: 1198 TO 2322
PROJECTED ANSWERS: 215 TO 825

L4 26 SEA SSS SAM L3

=> d scan

L4 26 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[[2-

(trifluoromethoxy)phenyl]sulfonyl]amino]methyl]phenyl]- (9CI) MF C24 H25 F3 N6 O4 S

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 13 full FULL SEARCH INITIATED 12:28:35 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 1789 TO ITERATE

100.0% PROCESSED 1789 ITERATIONS SEARCH TIME: 00.00.01

572 ANSWERS

L5 572 SEA SSS FUL L3

=> d scan

.5 572 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Pyrazinecarboxamide, 3-amino-6-[2,6-dimethyl-4-[2-(4-methyl-1-piperazinyl)ethoxy]phenyl]-N-3-pyridinyl- (9CI)

MF C25 H31 N7 O2

CI COM

$$\begin{array}{c} \text{Me} \\ \text{N} \\ \text$$

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 179.74 179.95

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 12:29:19 ON 21 JAN 2008 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

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=> s 15 L6 9 L5

=> d 16 1-9 ibib abs hitstr

L6 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1029856 CAPLUS

147:315127 DOCUMENT NUMBER:

TITLE: Glycogen synthase kinase 3 (GSK-3) inhibitors for the treatment of osteoporosis

Berg, Anna-Lena; Bhat, Ratan INVENTOR(S):

Astrazeneca AB, Swed. PATENT ASSIGNEE(S): PCT Int. Appl., 30pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE: Pat.ent. LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT :	NO.			KIN	D	DATE				ICAT		DATE				
WO 2007	1027	70		A1 20070913			0913					20070306				
W: AE, AG,			AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
	CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
	GE,	GH,	GM,	GT,	HN,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KM,	KN,
	KP,	KR,	KZ,	LA,	LC,	LK,	LR,	LS,	LT,	LU,	LY,	MA,	MD,	MG,	MK,	MN,
	MW,	MX,	MY,	MZ,	NA,	NG,	NI,	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RS,
	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SM,	SV,	SY,	TJ,	TM,	TN,	TR,	TT,	TZ,
	UA,	UG,	US,	UZ,	VC,	VN,	ZA,	ZM,	ZW							
RW:	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,
	IS,	IT,	LT,	LU,	LV,	MC,	MT,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR,	BF,
	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG,	BW,
	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,
	BY,	KG,	KZ,	MD,	RU,	ТJ,	TM									
US 2007	2133	22		A1		2007	0913		US 2	007-	6834	58		2	0070	308
RITY APP	LN.	INFO	. :						US 2	006-	7802	52P	1	P 2	0060	308
R SOURCE	(S):			MARI	PAT	147:	3151	27								

PRIO OTHER SOURCE(S): MARPAT 147:315127 GI

AR

CN

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wherein R1 is NH2, piperazin-1-yl, 4-methylpiperazin-1-yl,
     4-methyl-1,4-diazepan-1-yl or 4-ethylpiperazin-1-yl; R2 is hydrogen,
     fluoro, CH3, CH2CH3, OCH3, CF3 or OCF3; R3 is hydrogen, CH3 or fluoro; as
     a free base or a pharmaceutically acceptable salt thereof, in the manufacture
     of a medicament for the prevention and/or treatment of bone-related
     disorders, osteoporosis and increasing bone formation and bone mineral d.
     The present invention further relates to a method of prevention and/or
     treatment of these disorders.
     486423-12-5, 3-Amino-6-[3-ethyl-4-[[4-methylpiperazin-1-
     vl]sulfonvl]phenvl]-N-pyridin-3-ylpyrazine-2-carboxamide
     486423-13-6, 3-Amino-6-[4-[[4-methylpiperazin-1-y1]sulfony1]-3-
     [trifluoromethoxy]phenyl]-N-pyridin-3-ylpyrazine-2-carboxamide
     486423-25-0, 3-Amino-6-[4-[[4-ethylpiperazin-1-y1]sulfony1]pheny1]-
     N-pyridin-3-ylpyrazine-2-carboxamide 486424-22-0,
     3-Amino-6-[2,5-difluoro-4-[[4-methylpiperazin-1-yl]sulfonyl]phenyl]-N-
     pyridin-3-ylpyrazine-2-carboxamide 486424-23-1,
     3-Amino-6-[3-fluoro-4-[[4-methylpiperazin-1-yl]sulfonyl]phenyl]-N-pyridin-
     3-ylpyrazine-2-carboxamide 486424-24-2, 3-Amino-6-[3-methyl-4-
     [[4-methylpiperazin-1-yl]sulfonyl]phenyl]-N-pyridin-3-ylpyrazine-2-
     carboxamide 486424-27-5, 3-Amino-6-[2-methyl-4-[[4-
     methylpiperazin-1-yl]sulfonyl]phenyl]-N-pyridin-3-ylpyrazine-2-carboxamide
     486424-43-5, 3-Amino-6-[2-fluoro-4-[[4-methylpiperazin-1-
     v1]sulfonv1]phenv1]-N-pyridin-3-v1pyrazine-2-carboxamide
     487034-72-0D, sulfonvl derivs, 742053-70-9,
     3-Amino-6-[5-fluoro-2-methyl-4-[[4-methylpiperazin-1-yl]sulfonyl]phenyl]-N-
     pyridin-3-vlpyrazine-2-carboxamide 766504-06-7.
     3-Amino-6-[4-[[4-methyl-1,4-diazepan-1-yl]sulfonyl]phenyl]-N-pyridin-3-
     ylpyrazine-2-carboxamide 773050-68-3, 3-Amino-6-[2,5-dimethyl-4-
     [[4-methylpiperazin-1-v1]sulfonv1]phenv1]-N-pyridin-3-vlpyrazine-2-
     carboxamide 947701-64-6, 3-Amino-6-[4-[[4-methylpiperazin-1-
     vl]sulfonvl]-3-[trifluoromethvl]phenvl]-N-pvridin-3-vlpvrazine-2-
     carboxamide
     RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
     (Biological study); USES (Uses)
        (glycogen synthase kinase 3 (GSK-3) inhibitors for the treatment of
        osteoporosis)
RN
     486423-12-5 CAPLUS
```

2-Pyrazinecarboxamide, 3-amino-6-[3-ethyl-4-[(4-methyl-1-

piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

The present invention relates to a new use of a compound of the formula (I)

RN 486423-13-6 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]-3(trifluoromethoxy)phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 486423-25-0 CAPLUS CN 2-Pyrazinecarboxamide, 3-amino-6-[4-[(4-ethyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 486424-22-0 CAPLUS
CN 2-Byrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 486424-23-1 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[3-fluoro-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 486424-24-2 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[3-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 486424-27-5 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[2-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 486424-43-5 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[2-fluoro-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 487034-72-0 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-phenyl-N-3-pyridinyl- (CA INDEX NAME)

RN 742053-70-9 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[5-fluoro-2-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 766504-06-7 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[4-[(hexahydro-4-methyl-1H-1,4-diazepin-1-yl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 773050-68-3 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[2,5-dimethyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 947701-64-6 CAPLUS

 ${\tt CN-2-Pyrazine carboxamide,\ 3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]-3-methyl-1-piperazinyl)sulfonyl]-3-methyl-1-piperazinyl)}$ 

3 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2005:962046 CAPLUS

143:266952 DOCUMENT NUMBER:

TITLE: Preparation of bipyridyl amides as modulators of

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

metabotropic glutamate receptor-5 INVENTOR(S): Bonnefous, Celine; Kamenecka, Theodore M.; Vernier,

Jean-Michel

PATENT ASSIGNEE(S): Merck & Co., Inc., USA SOURCE: PCT Int. Appl., 79 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

REFERENCE COUNT:

PAT	ENT I	.00			KIN	D	DATE			APPL	ICAT		DATE				
WO	2005	0798	02		A1		2005	0901		WO 2	005-		2	0050	209		
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		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,
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		EE.	ES,	FI.	FR.	GB,	GR,	HU,	IE,	IS,	IT,	LT,	LU,	MC,	NL,	PL,	PT.
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AU	2005	2153	79		A1		2005	0901		AU 2	005-	2153	79		2	0050	209
CA	2555	402			A1		2005	0901		CA 2005-2555402						0050	209
EP	1715	867			A1		2006	1102		EP 2005-713111 2005						0050	209
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											EE.					,	,
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JP	2007	5246															
TN	2006	DN 0.4	346		A		2007	0713		TN 2	006-	DN 4.3	46		2	0060	727
	2007																
	APP										004-						
HER SOURCE(S):						WO 2005-US3952 W 20 CASREACT 143:266952; MARPAT 143:266952											

- AB The title compds. I [X = N, C; Y = N, C, C(halo); Rl = H, alkyl, cycloalkyl, etc.; R2 = H, alkyl, aryl, etc.; R3 = aryl, halo, alkyl, etc.; R2 and R3 may be joined together with the atoms to which they are attached to form a (un)saturated 4-7 membered ring containing 0-2 heteroatoms selected from
  - O, S and N, R4 = aryl, heteroaryl, halo, etc.] which are mGluRS modulators useful in the treatment or prevention of diseases and conditions in which mGluRS is involved, including but not limited to psychiatric and mood disorders such as schizophrenia, anxiety, depression, bipolar disorders, and panic, as well as in the treatment of pain, Parkinson's disease, cognitive dysfunction, epilepsy, circadian rhythm and sleep disorders, such as shift-work induced sleep disorder and jet-lag, drug addiction, drug abuse, drug withdrawal, obesity and other diseases, were prepared Thus, amidation of pyridin-2-amine with 3-amino-5-6-diphenylyprazine-2-carboxylic acid afforded the amide II. The exemplified compds. I have mGluRS inhibitory activity as shown by inhibition at 10 mM or less in the calcium flux assay or 100 mM or less or less in the PI assay. The invention is also directed to pharmaceutical compns. comprising compds. I.
- IT 863908-42-3P 863908-69-4P RL: PRC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of bipyridyl amides as modulators of metabotropic glutamate receptor-5)

- RN 863908-42-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)

- RN 863908-69-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2-cyanophenyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:216619 CAPLUS

DOCUMENT NUMBER: 142:297864

TITLE: Preparation of aniline derivatives and related

compounds as c-kit modulators

Cheng, Wei; Co, Erick Wang; Kim, Moon Hwan; Klein, INVENTOR(S): Rhett Ronald; Le Donna, T.; Lew, Amy; Nuss, John M.;

Xu, Wei; Bajjalieh, William

Exelixis, Inc., USA PATENT ASSIGNEE(S):

SOURCE: PCT Int. Appl., 169 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE:

FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	•
DATENT NO	KIND DATE APPLICATION NO

	TENT				KIND DATE								DATE							
WO	2005	0209	21		A2 20050310															
WO	2005						2005													
	W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,			
		CN.	CO,	CR.	CU.	CZ.	DE,	DK.	DM.	DZ.	EC.	EE,	EG,	ES.	FI.	GB,	GD,			
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	KW.																			
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			TD,																	
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CA	2536	954			A1		2005	0310		CA 2	004-	004-25369			2	0040	827			
EP	1663	204			A2		2006	0607		EP 2	004-	7824	73		2	0040	827			
	R:	AT.	BE.	CH.	DE.	DK.	ES,	FR.	GB.	GR.	IT.	LI.	LU.	NL.	SE.	MC.	PT.			
																	SK,			
TD	2007																			
ORIT							2007	0501					24P							
ONII.	LAPP	T114 .	TIALO	• •																
										WO Z	004-	0528	001		W Z	0040	W 20040827			

MARPAT 142:297864 OTHER SOURCE(S):

AB Compds. I [wherein ring A is a five- to fourteen-membered heteroary1; R1, R2 and R3 are H, halo, trihalomethyl, cyano, nitro, etc.; L1 is a single bond, (un) substituted alkylene, O, CH2O, etc.; ring B is five- to ten-membered aryl or heterocyclyl; ring C is five- to ten-membered (hetero)arvl; L2 is alkylene, alkylidene, alkylidyne, etc.; with some limitations and exclusions, and pharmaceutically acceptable salts, hydrates or prodrugs thereof], as exemplified by carbonyl compds. of anilines, were prepared as c-Kit kinase modulators. For example, 3-aminophenoxyacetic acid, which was obtained from the corresponding nitro compound in 76% yield via catalytic hydrogenation, was treated with HC(OEt)3 and NaN3 in AcOH followed by NaNO2/HCl to give a tetrazole in 61% yield. This acid was coupled with 5-amino-2-chlorobenzotrifluoride in the presence of HATU to afford acetamide II in 46% yield, which showed inhibition against c-Kit kinase with a IC50 of < 50 nM. Therefore, I and pharmaceutical compns. thereof are useful for modulating c-Kit kinase activity and for treating diseases or disorders associated with uncontrolled, abnormal, and/or unwanted cellular activities.

847609-36-3P 847609-39-6P R1: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(modulator; preparation of anilines and related compds. as C-kit modulators)  ${\tt RN} - 847606 - 88 - 6 {\tt CAPLUS}$ 

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]methyl]phenyl]-N-3piperidinyl- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\ NH & & \\ C = 0 & & \\ CF_3 & \\ CI & & \\ N & & \\ CH_2NH-C-NH & \\ \end{array}$$

847606-88-6P 847608-93-9P 847608-94-0P 847608-95-1P 847608-96-2P 847609-35-2P

RN

CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[[4-chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]methyl]phenyl]pyrazinyl]carbo nyl]amino]-, 1,1-dimethylethyl ester, (35)- (901) (CA INDEX NAME)

Absolute stereochemistry.

- RN 847608-94-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]methyl]phenyl]-N-(3S)-3piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 847608-95-1 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[4-[[[[[4-chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]methyl]phenyl]pyrazinyl]carbo nyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

PAGE 2-A CF3

RN 847608-96-2 CAPLUS

NN 047006-02 CAFINO Pyrazinecarboxamide, 3-amino-6-[4-[[[[4-chloro-3-(trifluoromethyl)phenyl]amino]arbonyl]amino]methyl]phenyl]-N-(3S)-3piperidinyl- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

RN 847609-35-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[[[4-chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]methyl]phenyl]pyrazinyl]carbo nyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 847609-36-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[4-[[[[4-chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]methyl]phenyl]pyrazinyl]carbo nyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 847609-39-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[[4-chloro-3-(trifluoromethyl)phenyl]amino]carbonyl]amino]methyl]phenyl]-N-3piperidinyl-(9CI) (CA INDEX NAME)

L6 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2004:759828 CAPLUS

DOCUMENT NUMBER: 141:260774

TITLE: Preparation of pyrazinecarboxamide compounds as

inhibitors of transforming growth factor (TGF) signaling pathway

INVENTOR(S): Munchhof, Michael J.
PATENT ASSIGNEE(S): Pfizer Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 26 pp.

CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.		KIN	KIND DATE					ICAT	DATE						
			-												
US 2004180	905	A1	A1 20040916					004-	7981	98		2	20040310		
US 7199123	US 7199123				0403										
CA 2517720	CA 2517720				0923		CA 2	004-	2517	720		2	0040	223	
WO 2004080	982	A1		2004	0923	WO 2004-IB581						20040223			
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CN	, co,	CR, CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,	

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             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
             ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
             TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     EP 1606267
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                                           EP 2004-713617
                                                                   20040223
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     BR 2004008251
                          Α
                                20060301
                                            BR 2004-8251
     JP 2006519833
                          Т
                                20060831
                                            JP 2006-506288
                                                                    20040223
PRIORITY APPLN. INFO.:
                                            US 2003-453784P
                                                                   20030311
                                            WO 2004-IB581
                                                                W 20040223
OTHER SOURCE(S):
                        MARPAT 141:260774
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GΙ

- AB Pyrazine compds. of formula I [R = (substituted) Ph, heterocyclyl, heteroaryl, aryl; R1 = H, R2 = alkyl, cycloalkyl, aryl, heteroaryl, etc.; NR2R2 = (substituted) heterocyclyl, heteroaryll are prepared The compds. are potent inhibitors of transforming growth factor (TGF)-B signaling pathway. They are useful in the treatment of various TGF-related disease states including, for example, cancer and fibrotic diseases. Thus, II was prepared, and had ICSO of 1.19 µM.
- TT 625459-32-7P 625459-38-3P 625469-79-6P
  755521-55-8P 755521-56-9P 756521-61-6P
  755521-55-8P 755521-56-9P 756521-61-6P
  755521-69-4P 756521-64-9P 756521-68-3P
  756521-75-2P 756521-76-3P 756521-74-1P
  756521-80-9P 756521-81-0P 756521-79-6P
  756521-80-9P 756521-81-0P 756521-87-6P
  756521-91-2P 756521-80-5P 756521-87-6P
  756522-00-6P 756522-39-9P 756521-96-7P
  756522-00-6P 756522-23-3P 756522-17-5P
  756522-45-9P 756522-43-9P 756522-47-1P
  756522-45-9P 756522-88-0P
  RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(preparation of pyrazinecarboxamides as inhibitors of  $TGF-\beta$  signaling pathway)

RN 625459-32-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-cyclopentyl-6-phenyl- (9CI) (CA INDEX NAME)

RN 625459-38-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-cyclohexyl-6-phenyl- (9CI) (CA INDEX NAME)

RN 625469-79-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N,6-diphenyl- (9CI) (CA INDEX NAME)

RN 756521-55-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-cycloheptyl-6-phenyl- (9CI) (CA INDEX NAME)

RN 756521-56-9 CAPLUS

RN 756521-61-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(4-chlorophenyl)-N-cyclopentyl- (9CI) (CA INDEX NAME)

RN 756521-62-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(4-chlorophenyl)-N-cycloheptyl- (9CI) (CA INDEX NAME)

RN 756521-64-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(4-chlorophenyl)-N-cyclohexyl- (9CI) (CA INDEX NAME)

- RN 756521-68-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3-chlorophenyl)-N-cyclopentyl- (9CI) (CA INDEX NAME)

- RN 756521-69-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3-chlorophenyl)-N-cycloheptyl- (9CI) (CA INDEX NAME)

- RN 756521-70-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3-chlorophenyl)-N-cyclohexyl- (9CI) (CA INDEX NAME)

- RN 756521-74-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2-chlorophenyl)-N-cyclopentyl- (9CI) (CA INDEX NAME)

- RN 756521-75-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2-chlorophenyl)-N-cycloheptyl- (9CI) (CA INDEX NAME)

- RN 756521-76-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2-chlorophenyl)-N-cyclohexyl- (9CI) (CA INDEX NAME)

- RN 756521-79-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-cyclopentyl-6-(4-methylphenyl)- (9CI) (CA INDEX NAME)

- RN 756521-80-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-cycloheptyl-6-(4-methylphenyl)- (9CI) (CA INDEX NAME)

- RN 756521-81-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-cyclohexyl-6-(4-methylphenyl)- (9CI) (CA INDEX NAME)

RN 756521-84-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-cyclopentyl-6-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

RN 756521-85-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-cycloheptyl-6-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

RN 756521-86-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-cyclohexyl-6-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

RN 756521-87-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(4-methoxyphenyl)-N-phenyl- (9CI) (CA INDEX NAME)

RN 756521-91-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(2,3-dihydro-1H-inden-1-y1)-6-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

RN 756521-92-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[(3S)-hexahydro-2-oxo-1H-azepin-3-yl]-6-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

756521-96-7 CAPLUS RN CN

Pyrazinecarboxamide, 3-amino-6-(4-methoxyphenyl)-N-[1-(phenylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

RN 756522-00-6 CAPLUS

 $\label{eq:pyrazine} {\tt Pyrazinecarboxamide, 3-amino-N-[(1R,2S)-2-(hydroxymethyl)cyclohexyl]-6-(4-normalized)} = {\tt Pyrazinecarboxamide, 3-amino-N-[(1R,2S)-2-(hydroxymethyl)cyclohexyl]-6-(4-normalized)} =$ CN methoxyphenyl)-, rel- (9CI) (CA INDEX NAME)

RN 756522-03-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-y1]-6-(4-methoxypheny1)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

RN 756522-17-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-phenyl-N-[1-(phenylmethyl)-3-pyrrolidinyl]-(9CI) (CA INDEX NAME)

RN 756522-20-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[(1R,2S)-2-(hydroxymethyl)cyclohexyl]-6phenyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

RN 756522-23-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]-6-phenyl-, rel- (9CI) (CA INDEX NAME)

- RN 756522-32-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]-6-(4-methylphenyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

- RN 756522-45-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(4-chlorophenyl)-N-[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]-, rel- (9CI) (CA INDEX NAME)

CN Pyrazinecarboxamide, 3-amino-6-(3-chlorophenyl)-N-[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

- RN 756522-47-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2-chlorophenyl)-N-[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]-, rel- (9CI) (CA INDEX NAME)

- RN 756522-86-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-cyclopentyl-6-[4-(methylsulfonyl)phenyl]-(9CI) (CA INDEX NAME)

RN 756522-88-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[(3S)-hexahydro-2-oxo-1H-azepin-3-y1]-6-(4methylphenyl) - (9CI) (CA INDEX NAME)

#### Absolute stereochemistry.

REFERENCE COUNT:

THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:534194 CAPLUS

DOCUMENT NUMBER: 141:89114

TITLE: Preparation of novel 3-aminopyrazine-2-carboxamides having selective inhibiting effect at GSK3

Berg, Stefan; Hellberg, Sven

INVENTOR(S): PATENT ASSIGNEE(S): Astrazeneca Ab, Swed.; Soederman, Peter

SOURCE: PCT Int. Appl., 62 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PAT	PATENT NO.					D	DATE			APPL	DATE							
						-												
WO	0 2004055006				A1		2004	0701		WO 2	003-	SE19.	56		20031215			
WO	0 2004055006				A8		2005	0630										
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             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
              NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
              TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
              BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
              ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
              TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
     AU 2003287136
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                                  20040709
                                              AU 2003-287136
     EP 1575939
                            A1
                                  20050921
                                               EP 2003-781205
                                                                        20031215
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2006516124
                            Т
                                  20060622
                                               JP 2004-560224
                                                                         20031215
     US 2006173014
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                                  20060803
                                               US 2005-539546
                                                                         20050616
PRIORITY APPLN. INFO.:
                                               SE 2002-3752
                                                                     A 20021217
                                               WO 2003-SE1956
                                                                     W 20031215
                          MARPAT 141:89114
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OTHER SOURCE(S): GI

AR The title compds. [I; Z = N; X = N; Y = CONR5; P = Ph; Q = Ph or 5-6 membered aromatic heteroarom. ring containing one or more heteroatoms selected from N, O, S; R = alkyl(SO2)NR1R2, alkylCONR1R2, OalkylNR1R2 (wherein R1, R2 = H, alky1, 5-6 membered heterocycly1, etc.; NR1R2 = 5-6 membered heterocyclyl); R3, R4 = halo, NO2, CF3, etc.; m, n = 0-1; R5 = H; as a free base or a pharmaceutically acceptable salt], were prepared and formulated. Thus, treating 4-bromo-N-[(1R)-2-methoxy-1methylethyl]benzenesulfonamide with n-butyllithium and triisopropyl borate in THF followed by reacting the intermediate with 3-amino-6-bromo-N-(pyridin-3-yl)pyrazine-2-carboxamide in the presence of Pd(dppf)Cl2, and Na2CO3 in THF (prepns. of reactants given) afforded 35% 3-amino-6-[4-({[(1R)-2-methoxy-1-methylethyl]amino}sulfonyl)phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide hydrochloride. Typical Ki values for the compds. I are in the range of about 0.001 to about 10,000 nM in GSK-3B assav.

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486423-43-2P 714237-12-4P 714237-13-5P
714237-14-6P 714237-15-7P 714237-16-8P
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714237-57-7P 714237-58-8P 714237-68-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel 3-aminopyrazine-2-carboxamides having selective inhibiting effect at GSK3)

RN 486423-43-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-[[[2-(1-pyrrolidinyl)ethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 714237-12-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[(1R)-2-methoxy-1-methylethyl]amino]sulfonyl]phenyl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 714237-13-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[(1S)-2-methoxy-1-methylethyl]amino]sulfonyl]phenyl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 714237-14-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3-nitrophenyl)-6-[4-(1-pyrrolidinylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

RN 714237-15-7 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-(1-pyrrolidinylsulfonyl)phenyl]-N-1Htetrazol-5-yl- (90I) (CA INDEX NAME)

RN 714237-16-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(2-methoxyphenyl)-6-[4-[(4-methyl-1-

● HCl

RN 714237-17-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(4-methoxyphenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 714237-18-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[2-(aminocarbonyl)phenyl]-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

HC1

RN 714237-19-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[3-(aminocarbonyl)phenyl]-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 714237-20-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3-cyanophenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 714237-21-5 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-(2-bromopheny1)-6-[4-[(4-methy1-1-piperaziny1)sulfony1]pheny1]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 714237-22-6 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-(3-bromophenyl)-6-[4-[(4-methyl-1piperazinyl)sulfonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 714237-24-8 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-[4-(aminocarbonyl)-1H-pyrazol-3-yl]-6-[4[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, monohydrochloride (9CI) (CA
INDEX NAME)

714237-25-9 CAPLUS RN CN

Pyrazinecarboxamide, 3-amino-N-1H-imidazo1-2-y1-6-[4-[(4-methy1-1piperazinyl)sulfonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

RN 714237-26-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-fluoro-4-[2-(4morpholinyl)ethoxy[phenyl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

HC1

RN 714237-27-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[(1-ethyl-3piperidinyl)amino]eulfonyl]phenyl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

HCl

RN 714237-28-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[bis(2-methoxyethyl)amino]sulfonyl]phen yl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

HC1

RN 714237-29-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[(3-methylbutyl)amino]sulfonyl]phenyl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

HC1

RN 714237-30-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[(1S)-2-methoxy-1-methylethyl]amino]carbonyl]phenyl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

RN 714237-31-7 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-[[[2-(1-

pyrrolidinyl)ethyl]amino]carbonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 714237-32-8 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-(3-methoxypheny1)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 714237-33-9 CAPLUS
CN Pyrazinecarboxamide, N-(3-acetylphenyl)-3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 714237-34-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-[3-(trifluoromethyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 714237-35-1 CAPLUS
CN Pyrazinecarboxamide, N-[3-(acetylamino)phenyl]-3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 714237-36-2 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-[3-(aminosulfonyl)phenyl]-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

RN

CN Pyrazinecarboxamide, 3-amino-6-[4-[[(2-ethoxyethy1)amino]sulfony1]pheny1]-N-3-pyridiny1-, monohydrochloride (9CI) (CA INDEX NAME)

HC1

- RN 714237-38-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-fluoro-4-[2-(4-morpholinyl)ethoxy]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 714237-39-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[(1-ethyl-3-piperidinyl)amino]sulfonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 714237-40-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[bis(2-methoxyethy1)amino]sulfony1]phen y1]-N-3-pyridiny1- (9CI) (CA INDEX NAME)

RN 714237-41-9 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-[[(3-methylbutyl)amino]sulfonyl]phenyl]N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 714237-43-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3-methoxypheny1)-6-[4-[(4-methy1-1piperaziny1)sulfony1]pheny1]- (9CI) (CA INDEX NAME)

RN 714237-44-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[(1R)-2-methoxy-1-methyl]amino]sulfonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 714237-45-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[(1S)-2-methoxy-1-methyl]amino]sulfonyl]phenyl]-N-3-pyridinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 714237-46-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[(2-ethoxyethy1)amino]sulfony1]pheny1]N-3-pyridiny1- (9C1) (CA INDEX NAME)

- RN 714237-47-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(4-methoxypheny1)-6-[4-[(4-methy1-1-piperaziny1)sulfony1]pheny1]- (9CI) (CA INDEX NAME)

- RN 714237-48-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-[2-(aminocarbonyl)phenyl]-6-[4-[(4-methyl-1piperazinyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 714237-49-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-[3-(aminocarbonyl)phenyl]-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 714237-50-0 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-(3-cyanopheny1)-6-[4-[(4-methyl-1-piperaziny1)sulfony1]phenyl]- (9CI) (CA INDEX NAME)

RN 714237-51-1 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-(2-bromopheny1)-6-[4-[(4-methyl-1-piperaziny1)sulfony1]phenyl]- (9CI) (CA INDEX NAME)

RN 714237-52-2 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-(3-bromophenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 714237-53-3 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1piperazinyl)sulfonyl]phenyl]-N-1H-pyrazol-3-yl- (9CI) (CA INDEX NAME)

RN 714237-54-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[4-(aminocarbonyl)-1H-pyrazol-3-yl]-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 714237-55-5 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-1H-imidazol-2-yl-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 714237-56-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[(1S)-2-methoxy-1-methylethyl]amino]carbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 714237-57-7 CAPLUS

CN Pyrazinecarboxamide, N-(3-acetylphenyl)-3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 714237-58-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 714237-68-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(2-methoxypheny1)-6-[4-[(4-methy1-1piperazinyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

ΤТ 486424-13-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of novel 3-aminopyrazine-2-carboxamides having selective inhibiting effect at GSK3)

486424-13-9 CAPLUS RN

CN Benzoic acid, 4-[5-amino-6-[(3-pyridinylamino)carbonyl]pyrazinyl]- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 6 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

2004:534193 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 141:89113

TITLE: Preparation of novel pyrazinamine or pyridin-2-amine derivatives having selective inhibiting effect at GSK3

INVENTOR(S): Berg, Stefan; Hellberg, Sven; Soederman, Peter

PATENT ASSIGNEE(S): Astrazeneca Ab, Swed. SOURCE: PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

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WO 2004055005
                         A1 20040701
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                                            SE 2002-3754
PRIORITY APPLN. INFO.:
                                                                A 20021217
                                            WO 2003-SE1955
                                                               W 20031215
                       MARPAT 141:89113
OTHER SOURCE(S):
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AB The title compds. [I; Z = N; X = CH, N; Y = CONR5, NR5CO, SO2NR5, etc.; P = Ph or 5-6 membered heteroarom. ring containing one or more heteroatoms selected from N, O or S (optionally fused); O = Ph or 5-6 membered aromatic heterocyclic ring containing one or more N atoms (optionally fused); R = alkylNR10R11, alkylazetidine (wherein R10 = H, alkyl, alkenyl, alkynyl, alkylcycloalkyl, alkylaryl, alkylheteroaryl or alkylNR8R9; R11 = alkylNR8R9, alkylcycloalkyl or alkylheterocycloalkyl; R8, R9 = H, alkyl, alkylaryl, etc.); R3, R4 = halo, NO2, CHO, etc.; m, n = 0-4; R5 = H, alkyl, alkylaryl, etc.; as a free base or a pharmaceutically acceptable salt], were prepared and formulated. Thus, treating N-[3-(4bromophenyl)propyl]-N, N-dicyclobutylamine with n-butyllithium and triisopropyl borate in THF followed by reaction of the intermediate with 3-amino-6-bromo-N-(pyridin-3-yl)pyrazine-2-carboxamide in the presence of Pd(dppf)Cl2, and Na2CO3 in THF (prepns. of reactants were given) afforded 53% 3-amino-6-{4-[3-(dicyclobutylamino)propy1]pheny1}-N-(pyridin-3yl)pyrazine-2-carboxamide hydrochloride. Typical Ki values for the compds. of the present invention are in the range of about 0.001 to about 10,000 nM in GSK-3 $\beta$  assay.

GI

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel pyrazinamine or pyridin-2-amine derivs. having selective inhibiting effect at GSK3)

RN 713541-87-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[3-(dicyclobutylamino)propyl]phenyl]-N-3pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

HC1

REFERENCE COUNT:

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

5 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:892800 CAPLUS

DOCUMENT NUMBER: 139:395950

TITLE: Preparation of substituted pyrazines as protein kinase

modulators INVENTOR(S): Buhr, Chris A.; Baik, Tae-Gon; Ma, Sunghoon; Tesfai,

Zerom; Wang, Longcheng; Co, Erick Wang; Epshteyn, Sergey; Kennedy, Abigail R.; Chen, Baili; Dubenko, Larisa; Anand, Neel Kumar; Tsang, Tsze H.; Nuss, John M.; Peto, Csaba J.; Rice, Kenneth D.; Ibrahim, Mohamed Abdulkader; Schnepp, Kevin Luke; Shi, Xian; Leahy, James William; Chen, Jeff; Dalrymple, Lisa Esther;

Forsyth, Thimothy Patrick; Huynh, Tai Phat; Mann, Grace; Mann, Lary Wayne; Takeuchi, Craig Stacy

PATENT ASSIGNEE(S): Exelixis, Inc., USA SOURCE: PCT Int. Appl., 468 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: Enalish

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.						KIN	D	DATE			APPLICATION NO.						DATE		
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	WO	2003093297				A2		20031113			WO 2003-US13869						20030502		
	WO	2003093297				A3 20040701													
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     US 2006211709
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PRIORITY APPLN. INFO.:
                                           US 2002-377933P
                                                              P 20020503
                                           WO 2003-US13869
                                                              W 20030502
OTHER SOURCE(S):
                       MARPAT 139:395950
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AΒ This invention relates to compds. I [R1 = H, halo, CN, etc.; R2, R3 = H, alkyl, aryl, etc.; R4 = H, alkyl, aryl, etc.; Z = N, CH; A = CO, CS, C(:NR6), R7 (when A = R7, E does not exist); R6 = H, NO2, CN, etc.; R7 = (un) substituted 5-7 membered heterocyclyl; E = NR8R9, NNR2R3, OR4, etc.; R8 = H, alkyl; R9 = H, heteroarylalkyl, etc.; NR8R9 = (un)substituted 5-7 membered heteroalicyclyl; W = 6-10 membered arylene, 5-10 membered heteroarylene; X = a bond, (un)substituted alkylene, O(CH2)2-30, etc.; Y = H, alkyl, aryl, etc.; with provisos] for modulating protein kinase enzymic activity for modulating cellular activities such as proliferation, differentiation, programmed cell death, migration and chemoinvasion, and to pharmaceutical compns. containing such compds. Even more specifically, the invention relates to compds. I that inhibit, regulate and/or modulate kinases, particularly Checkpoint Kinases, even more particularly Checkpoint Kinase 1, or Chkl. Preparation of representative compds. I is described. Thus, amidation of 3-amino-6-phenylpyrazinecarboxylic acid (preparation given) with benzylamine afforded 67% 3-amino-6-phenyl-N-(phenylmethyl)pyrazine-2-carboxamide which showed IC50 of 10,000 nM or greater against Chkl. Table presenting activity data with respect to Chkl for over 1000 compds. I is given. Methods of therapeutically or prophylactically using the compds. I and compns. to treat kinase-dependent diseases and conditions are also an aspect of the invention, and include methods of treating cancer, as well as other disease states associated with unwanted angiogenesis and/or cellular proliferation, by administering effective amts. of such compds. 625461-86-1P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of protein kinase modulators)

RN 625461-86-1 CAPLUS

CN Benzoic acid, 3-[5-amino-6-[(cyclopropylamino)carbonyl]pyrazinyl]-, methyl

IT 625459-28-1P 625459-29-2P 625459-30-5P 625459-32-7P 625459-38-3P 625459-46-3P 625462-18-2P 625462-19-3P 625464-78-0P 625464-93-9P 625465-07-8P 625465-09-0P 625465-89-6P 625465-90-9P 625465-91-0P 625465-94-3P 625466-05-9P 625466-30-0P 625466-31-1P 625466-32-2P 625466-33-3P 625466-34-4P 625466-35-5P 625466-41-3P 625466-45-7P 625466-51-5P 625466-53-7P 625466-54-8P 625466-55-9P 625466-56-0P 625466-57-1P 625466-58-2P 625466-59-3P 625466-60-6P 625466-61-7P 625466-62-8P 625466-71-9P 625466-72-0P 625466-73-1P 625466-74-2P 625466-75-3P 625466-82-2P 625466-83-3P 625466-84-4P 625466-85-5P 625466-86-6P 625466-87-7P 625466-88-8P 625466-89-9P 625466-98-0P 625466-99-1P 625467-00-7P 625467-01-8P 625467-02-9P 625467-03-0P 625467-04-1P 625467-06-3P 625467-07-4P 625467-08-5P 625467-10-9P 625467-12-1P 625467-18-7P 625467-19-8P 625467-20-1P 625467-21-2P 625467-23-4P 625467-24-5P 625467-25-6P 625467-35-8P 625467-36-9P 625467-40-5P 625467-41-6P 625467-43-8P 625467-44-9P 625467-45-0P 625467-46-1P 625467-47-2P 625467-48-3P 625467-50-7P 625467-51-8P 625467-52-9P 625467-54-1P 625467-55-2P 625467-56-3P 625467-57-4P 625467-59-6P 625467-62-1P 625467-63-2P 625467-65-4P 625467-66-5P 625467-71-2P 625467-72-3P 625467-73-4P 625467-79-0P 625467-80-3P 625467-81-4P 625467-82-5P 625467-83-6P 625467-84-7P 625467-85-8P 625467-86-9P 625467-87-0P 625467-88-1P 625467-89-2P 625467-90-5P 625467-91-6P 625467-92-7P 625467-93-8P 625467-94-9P 625467-95-0P 625467-96-1P 625467-97-2P 625467-98-3P 625467-99-4P 625468-00-0P 625468-01-1P 625468-02-2P 625468-03-3P 625468-04-4P 625468-06-6P 625468-07-7P 625468-08-8P 625468-09-9P 625468-10-2P 625468-11-3P 625468-12-4P 625468-13-5P 625468-14-6P 625468-15-7P 625468-16-8P 625468-17-9P 625468-18-0P 625468-19-1P 625468-20-4P 625468-21-5P

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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
   (preparation of protein kinase modulators)
625459-28-1 CAPLUS
Pyrazinecarboxamide, 3-amino-N-[(1R)-2,3-dihydro-1H-inden-1-y1]-6-phenyl-
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Absolute stereochemistry.

(9CI) (CA INDEX NAME)

RN

CN

RN 625459-29-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[(1\$)-2,3-dihydro-1H-inden-1-y1]-6-phenyl-(9CI) (CA INDEX NAME)

- RN 625459-30-5 CAPLUS

- RN 625459-32-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-cyclopentyl-6-phenyl- (9CI) (CA INDEX NAME)

- RN 625459-38-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-cyclohexyl-6-phenyl- (9CI) (CA INDEX NAME)

- RN 625459-46-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-cyclopropyl-6-phenyl- (9CI) (CA INDEX NAME)

RN 625462-18-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-cyclopropyl-6-[3-[[(phenylmethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 625462-19-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-chloro-6-fluorophenyl)methyl]amino]carbonyl]phenyl]-N-cyclopropyl- (9CI) (CA INDEX NAME)

RN 625464-78-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-cyclohexyl-6-[3-[[(2,3-dihydro-1H-inden-1-yl)amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 625464-93-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-cyclopropyl-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 625465-07-8 CAPLUS

- RN 625465-09-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[(phenylmethyl)amino]carbonyl]phenyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

RN 625465-89-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625465-90-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]-N-(3R)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625465-91-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(18)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]-N-[(38)-1-(2-furanylcarbonyl)-3-pyrrolidinyl]-(9CI) (CA INDEX NAME)

RN 625465-94-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phnyl]-N-[(3S)-1-(4-pyridinylcarbonyl)-3-pyrrolidinyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625466-05-9 CAPLUS

CN Pyrazinecarboxamide, N,N'-1,2-cyclohexanediylbis[3-amino-6-[3-[[(phenylmethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

RN 625466-30-0 CAPLUS CN Pyrazinecarboxamide

Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-y1]amino]methyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

## Absolute stereochemistry.

RN 625466-31-1 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[(3S)-3-[[[3-amino-6-[3-[(phenylmethyl)amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-1pyrrolidinyl]-, 1,1-dimethylethyl ester (9C1) (CA INDEX NAME)

- RN 625466-32-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[(phenylmethyl)amino]carbonyl]phenyl]-N[(3S)-1-(4-piperidinyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

RN 625466-33-3 CAPLUS

N 1-Pyrrolidinecarboxylic acid, 2-[[(3S)-3-[[[3-amino-6-[3[[(phenylmethyl)amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-1pyrrolidinyl]methyl]-, 1,1-dimethylethyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625466-34-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(phenylmethyl)amino]carbonyl]phenyl]-N[(3S)-1-[(2R)-2-pyrrolidinylmethyl]-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625466-35-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[(38)-1-[[4-(dimethylamino)phenyl]methyl]-3pyrrolidinyl]-6-[3-[[(phenylmethyl)amino]carbonyl]phenyl]- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.

RN 625466-41-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(phenylmethyl)amino]carbonyl]phenyl]-N-[(3S)-1-(2-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

RN 625466-45-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[(3S)-1-ethyl-3-pyrrolidinyl]-6-[3-[[(phenylmethyl)amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625466-51-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]-N-[(3S)-1-ethyl-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

- RN 625466-53-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S,2R)-2,3-dihydro-2-hydroxy-1H-inden-1-y1]amino]carbonyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625466-54-8 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-y]]amino]carbonyl]phenyl]pyrazinyl[carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625466-55-9 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(1R)-1-phenylethyl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (38)- (9CI) (CA INDEX NAME)

- RN 625466-56-0 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[(3,4-dihydro-2(1H)-isoquinolinyl)carbonyl]phenyl]pyrazinyl]carbonyl]amino|-,
  1,1-dimethylethyl ester, (35)- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625466-57-1 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[(2-phenylethyl)amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (38)- (9CI) (CA INDEX NAME)

- RN 625466-58-2 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(1S)-1-phenylethyl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

- RN 625466-59-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[(3,4-dihydro-2(1H)-isoquinolinyl)carbonyl]phenyl]-N-(3S)-3-pyrrolidinyl-(9CI) (CA INDEX NAME)

RN 625466-60-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-phenylethyl)amino]carbonyl]phenyl]N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625466-61-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R)-1-phenylethyl]amino]carbonyl]phe nyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

RN 625466-62-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-1-phenylethyl]amino]carbonyl]phe nyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625466-71-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-y1]amino]carbonyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

- RN 625466-72-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-1Hinden-1-yl]amino|carbonyl]phenyl]-N-[(3S)-1-ethyl-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

- RN 625466-73-1 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-y]]amino[arboyn]]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625466-74-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]-N-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625466-75-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]-N-(1-ethyl-3-piperidinyl)- (9CI) (CA INDEX NAME)

# Absolute stereochemistry.

RN 625466-82-2 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(4-methoxyphenyl)methyl)lamino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (35)- (9CI) (CA INDEX NAME)

# Absolute stereochemistry.

RN

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[[4-(trifluoromethoxy) phenyl]methyl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]a mino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625466-84-4 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(2-chloro-6-fluorophenyl)methyl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (35)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625466-85-5 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[[4-(methylthio)phenyl]methyl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (35)- (9C1) (CA INDEX NAME)

- RN 625466-86-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-methoxypheny1)methy1]amino]carbony 1]pheny1]-N-(3S)-3-pyrrolidiny1- (9CI) (CA INDEX NAME)

- RN 625466-87-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-pyrrolidinyl-6-[3-[[[4-(trifluoromethoxy)phenyl]methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 625466-88-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-chloro-6fluorophenyl]methyl]amino]carbonyl]phenyl]-N-(38)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625466-89-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-(methylthio)phenyl]methyl]amino]ca rbonyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

RN 625466-98-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(4-chlorophenyl)methyl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625466-99-1 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[(2-pyridinylmethyl)amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)-(9C1) (CA INDEX NAME)

- RN 625467-00-7 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[(3-pyridinylmethyl)amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (38)- (9CI) (CA INDEX NAME)

- RN 625467-01-8 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[(3,4-dihydro-2H-1-benzopyran-4-yl)amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (38)- (9CI) (CA INDEX NAME)

- RN 625467-02-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-chlorophenyl)methyl]amino]carbonyl |phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

- RN 625467-03-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-pyridinylmethyl)amino]carbonyl]phen yl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

RN 625467-04-1 CAPLUS
CN Pyrazinearboxamide, 3-amino-6-[3-[[(3-pyridinylmethyl)amino]carbonyl]phen
yl]-N-(35)-3-pyrrolidinyl- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-06-3 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-y1]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625467-07-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]-N-(3R)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-08-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]amino]carbonyl]phenyl]-N-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-10-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(18)-2,3-dihydro-1H-inden-1yl]amino[carbonyl]phenyl]-N-(hexahydro-1H-azepin-4-yl)- (9CI) (CA INDEX NAME)

- RN 625467-12-1 CAPLUS
- CN 1H-Azepine-1-carboxylic acid, 4-[[[3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]hexahydro-, 1,1-dimethylethyl ester (9CT) (CA INDEX NAME)

- RN 625467-18-7 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino|carbonyl]phenyl]pyrazinyl]carbonyl]amino|-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

- RN 625467-19-8 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-HF-inden-1-yl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

RN 625467-20-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(3,4-dihydro-2H-1-benzopyran-4-yl)amino]carbonyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

### Absolute stereochemistry.

RN 625467-21-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2,3-dihydro-3-benzofuranyl)amino]carbonyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

CN 1H-Azepine-1-carboxylic acid, 4-[[[3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]amino|carbonyl]phenyl]pyrazinyl]carbonyl]amino|hexah ydro-, 1,1-dimethylethyl ester (9C1) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-24-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-y1]amino]carbonyl]phenyl]-N-(hexahydro-1H-azepin-4-y1)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-25-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[(3aR,8aS)-3a,8a-dihydro-8H-indeno[1,2-d]oxazol-2-yl]phenyl]-N-(hexahydro-1H-azepin-4-yl)- (9CI) (CA INDEX NAME)

- RN 625467-35-8 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-model])]]]]

inden-1-y1]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-,
1,1-dimethylethyl ester, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-36-9 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-lH-inden-1-yl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3R)- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-40-5 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[(3-amino-6-[3-[[(1-methyl-1phenylethyl)amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

RN 625467-41-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(1-methyl-1-phenylethyl)amino]carbonyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-43-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]sulfonyl]phenyl]-N-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625467-44-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]-N-[(3S)-1-methyl-3-pyrrolidinyl]- (9CI) (CI INDEX NAME)

Absolute stereochemistry.

RN 625467-45-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-1Hinden-1-yl]amino[carbonyl]phenyl]-N-[(3S)-1-methyl-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-46-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-1Hinden-1-yl]amino]methyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

- RN 625467-47-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625467-48-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-pyrrolidinyl-6-[3-[[[(2S)-1,2,3,4-tetrahydro-2-naphthalenyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-50-7 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(IR)-2,3-dihydro-1H-inden-1-y1]mino]sulfonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (38)- (9CI) (CA INDEX NAME)

RN 625467-51-8 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-(3-hydroxyphenyl)pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-52-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R)-2,3-dihydro-1H-inden-1-yl]amino]sulfonyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-pyrrolidinyl-6-[3-[[[(3,4,5-trifluorophenyl)methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-55-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-pyrrolidinyl-6-[3-[[[(2,3,6-trifluorophenyl)methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-56-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-pyrrolidinyl-6-[3-[[[(2,3,5-trifluorophenyl)methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 625467-57-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-bromo-4-fluorophenyl]methyl]amino]carbonyl]phenyl]-N-(38)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-59-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-1-azabicyclo[2.2.2]oct-3-yl-6-[3-[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 625467-62-1 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(2,4-dichlorophenyl)methyl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (38)- (9CI) (CA INDEX NAME)

- RN 625467-63-2 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[3,4-dichlorophenyl]methyl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9C1) (CA INDEX NAME)

RN 625467-65-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,4-dichloropheny1)methy1]amino]carb onyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-66-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-dichlorophenyl)methyl]amino]carb onyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

RN 625467-71-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-methoxypheny1)methy1]amino]carbony 1]pheny1]-N-(3S)-3-piperidiny1- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-72-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,4-dichlorophenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625467-73-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-79-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-(aminomethy1)pheny1]-N-(3S)-3piperidiny1- (9CI) (CA INDEX NAME)

- RN 625467-80-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3-hydroxyphenyl)-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

- RN 625467-81-4 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-(aminomethyl)phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (35)- (9CI) (CA INDEX NAME)

- RN 625467-82-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-fluoropheny1)methy1]amino]carbony1

RN 625467-83-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[4-(trifluoromethoxy)phenyl]methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-84-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[(([1,1'-biphenyl]-4ylmethyl)amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625467-85-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[[4-(1,2,3-thiadiazol-5-yl)phenyl]methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-86-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[2-(trifluoromethoxy)phenyl]methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 625467-87-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[([1,1'-biphenyl]-2ylmethyl)amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-88-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,4-difluorophenyl)methyl]amino]carb onyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625467-89-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-chloro-2fluorophenyl]methyl]amino[carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625467-90-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-fluoro-3-(trifluoromethyl)phenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAMB)

Absolute stereochemistry.

RN 625467-91-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-naphthalenylmethyl)amino]carbonyl]p
henyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-(dimethylamino)phenyl]methyl]amino ]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-93-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-dihydro-1,4-benzodioxin-5-y1)methyl]amino]carbonyl]phenyl]-N-(38)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-94-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidiny1-6-[3-[[[[2-(2-thienyl)phenyl]methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 625467-95-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-methoxypheny1)methy1]amino]carbony 1]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

## Absolute stereochemistry.

- RN 625467-96-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,4-dimethoxyphenyl)methyl]amino]car bonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625467-97-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-chloro-2-methylphenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI)

#### (CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-98-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-difluoro-4-methylphenyl]methyl]amino]carbonyl]phenyl]-N-(35)-3-piperidinyl-(9CI)(CA INDEX NAME)

Absolute stereochemistry.

- RN 625467-99-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[4-(methylsulfonyl)phenyl]methyl]amin o]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-00-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-dihydro-1,4-benzodioxin-6-y1)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-01-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-chlorophenyl)methyl]amino]carbonyl ]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-02-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(5-chloro-2-fluorophenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-03-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-6-[3-[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-04-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-(methylthio)phenyl]methyl]amino]ca rbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-06-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(1,2-diphenylethyl)amino]carbonyl]phen yl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-07-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,4-difluorophenyl)methyl]amino]carboxyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-08-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,5-difluorophenyl)methyl]amino]carb onyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-09-9 CAPLUS
- CN Benzoic acid, 4-[[[3-[5-amino-6-[[(3S)-3-piperidinylamino]carbonyl]pyrazin yl]benzoyl]amino]methyl]-, methyl ester (9CI) (CA INDEX NAME)

RN 625468-10-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-bromophenyl)methyl]amino]carbonyl] phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-11-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-bromo-2-fluorophenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

RN 625468-12-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-bromophenyl)methyl]amino]carbonyl] phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-13-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-fluoro-2-(trifluoromethyl]phenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[2-fluoro-3-(trifluoromethyl]phenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-15-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[(3R)-3-pyrrolidinylmethyl]amino]carbonyl]phenyl]- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-16-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[(3R)-3-pyrrolidinylamino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 625468-17-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[2-(1-piperidinyl)ethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-18-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-phenylethyl)amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-19-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-methoxyethyl)amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-20-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-iodopheny1)methy1]amino]carbony1]pheny1]-N-(3S)-3-piperidiny1- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-21-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-chlorophenyl)methyl]amino]carbonyl
]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

CN Pyrazinecarboxamide, 3-amino-6-[3-[((4-fluorobenzoy1)amino]methy1]pheny1]-N-(3S)-3-piperidiny1- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-23-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[4-(trifluoromethoxy)benzoyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-24-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(4-chlorobenzoyl)amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-25-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(4-chlorophenyl)acetyl]amino]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-26-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2,6-dichloropheny1)acety1]amino]pheny 1]-N-(3S)-3-piperidiny1- (9CI) (CA INDEX NAME)

RN 625468-27-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(pentafluorophenyl)acetyl]amino]phenyl ]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-28-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-chloro-4fluorophenyl)acetyl]amino]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-29-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[4-(methylthio)phenyl]acetyl]amino]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-30-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2,4-dichlorophenyl)acetyl]amino]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-31-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[4-(4-chloropheny1)-2-thieny1]carbony1]amino]pheny1]-N-(3S)-3-piperidiny1-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-32-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(4-bromobenzoy1)amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-33-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-naphthalenylcarbonyl)amino]methyl]p henyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-34-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[2-(4-phenyl-1-piperazinyl)ethoxy]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-37-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2,4-difluorophenyl)acetyl]amino]pheny 1]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-38-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-fluorophenyl)acetyl]amino]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-39-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[5-[2-chloro-5-(trifluoromethyl)phenyl]-2-furanyl]carbonyl]amino]phenyl]-N-(3S)-3piperidinyl-(9CI) (CA INDEX NAME)

RN 625468-40-8 CAPLUS

Absolute stereochemistry.

RN 625468-41-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[4-(1,2,3-thiadiazol-5-yl)benzoyl]amino]phenyl]- (9CI) (CA INDEX NAME)

RN 625468-42-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(1,3-dimethyl-1H-pyrazol-5-yl)carbonyl]amino]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-43-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[4-(dimethylamino)benzoyl]amino]methyl ]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-44-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-(2-hydroxyethoxy)pheny1]-N-(3S)-3-

#### piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-45-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-dihydro-5-benzofuranyl)sulfonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-46-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,4-dihydro-2H-1,5-benzodioxepin-7-yl)sulfonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-47-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidiny1-6-[3-[[(7-quinolinylsulfonyl)amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-48-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[([1,1'-biphenyl]-4-ylamino)carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-49-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[(4-bromo-2-fluorophenyl)amino]carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

- RN 625468-50-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[(3-quinolinylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 625468-51-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[(6-methoxy-3-benzofuranyl)acetyl]amino]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-52-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(38)-3-piperidinyl-6-[3-[[[4'(trifluoromethyl)[1,1'-biphenyl]-2-yl]carbonyl]amino]phenyl]- (9CI) (CA
  INDEX NAME)

RN 625468-53-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[3,5-bis(trifluoromethyl)phenyl]acetyl]amino]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-54-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[(2,4-difluorophenyl)amino]carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-55-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[2-(trifluoromethyl)phenyl]sulfonyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 625468-56-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[4-(trifluoromethoxy)phenyl]sulfonyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN

CN Pyrazinecarboxamide, 3-amino-N-(35)-3-piperidinyl-6-[3-[[[2-(trifluoromethoxy)phenyl]sulfonyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-58-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[4-(trifluoromethyl)phenyl]sulfonyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-59-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[[2-(trifluoromethoxy)phenyl]amino]carbonyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 625468-60-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[[2-(methylthio)phenyl]amino]carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-61-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[(3-bromo-5-methylphenyl)amino]carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

- RN 625468-62-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[(2-bromophenyl)amino]carbonyl]amino] methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-64-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-(4-methyl-1-piperazinyl)phenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-65-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[2-(4-fluorophenyl)ethyl]amino]carbony 1]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-66-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[2-(4-morpholiny1)ethy1]amino]carbonyl ]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-67-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[(2R)-2-pyrrolidinylmethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 625468-68-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[(2S)-2pyrrolidinylamino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 625468-69-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[(cyclopentylamino)carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-70-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[[4-(trifluoromethyl)phenyl]amino]carbonyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-72-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[(4-methoxybenzoy1)amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-73-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[(([1,1'-biphenyl]-4-ylcarbonyl)amino]methyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

RN 625468-74-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-furanylcarbonyl)amino]methyl]phenyl ]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-75-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[(2,3-dihydro-1,4-benzodioxin-6-yl)amino]carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-76-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[(2,3-dihydro-5-

benzofurany1)amino]carbony1]amino]methy1]pheny1]-N-(3S)-3-piperidiny1-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-77-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-dihydro-1,4-benzodioxin-6-yl)sulfonyl]amino|methyl]phenyl]-N-(38)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-78-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-dihydro-1,4-benzodioxin-2-y1)carbony1]amino[methy1]pheny1]-N-(3S)-3-piperidiny1- (9CI) (CA INDEX NAME)

- RN 625468-86-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(18)-2,3-dihydro-1H-inden-1-yl]amino]carbonyl]phenyl]-N-(hexahydro-1H-azepin-3-yl)- (9CI) (CA INDEX NAME)

- RN 625468-87-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidiny1-6-[3-[[(4-thiazolylcarbonyl)amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

#### Absolute stereochemistry.

- RN 625468-88-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidiny1-6-[3-[[[5-(2-thieny1)-3-pyridiny1]carbony1]amino]methy1]pheny1]- (9CI) (CA INDEX NAME)

- RN 625468-89-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-(1,1-dimethylethyl)phenyl]methyl]a mino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-90-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,4-dichloro-6-methylphenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625468-91-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,5-dichloropheny1)methy1]amino]carb

RN 625468-92-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[(2-thienylsulfonyl)amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-93-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[(3-thienylsulfonyl)amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

RN 625468-94-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-chlorophenyl)sulfonyl]amino]methyl ]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625468-95-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1,3-benzodioxol-5-ylamino)carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

# Absolute stereochemistry.

RN 625468-96-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[(4-methoxyphenyl)amino]carbonyl]amin

- RN 625468-97-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[(4-fluorophenyl)amino]carbonyl]amino
  ]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625468-98-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[2-(dimethylamino)ethoxy]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625468-99-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[2-(4-morpholiny1)ethoxy]pheny1]-N-(3S)-3-piperidiny1- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-00-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(3-methoxyphenyl)-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-01-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(3-ethoxyphenyl)-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

- RN 625469-02-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[4-(1,2,3-thiadiazol-4-yl)phenyl]methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 625469-03-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[2-(ethylamino)ethoxy]phenyl]-N-(3S)-3piperidinyl- (9CI) (CA INDEX NAME)

## Absolute stereochemistry.

RN

CN 1-Piperazinecarboxylic acid, 4-[2-[3-[5-amino-6-[[(3S)-3-piperidinylamino]carbonyl]pyrazinyl]phenoxy]ethyl]-, phenylmethyl ester (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625469-05-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[[4-(dimethylamino)phenyl]amino]carbo nyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625469-06-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625469-07-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(18,28)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]amino]carbonyl]phenyl]-N-[(38)-hexahydro-1-(phenylmethyl)-1H-azepin-3-yl]-(9C1) (CA INDEX NAME)

- RN 625469-08-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(15,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-y1]amino]carbonyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3-y1]- (9CI) (CA INDEX NAME)

- RN 625469-09-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[(4-chloropheny1)amino]carbony1]pheny1]-

- RN 625469-10-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-lH-inden-1-yl]amino]carbonyl]phenyl]-N-[(3S)-hexahydro-1-(phenylmethyl)-1H-azepin-3-yl]- (SCI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625469-11-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1yl]amino[carboxyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3-yl]- (9CI) (CA INDEX NAME)

- RN 625469-12-7 CAPLUS
  CN Pyrazinecarboxamide, 3-amino-N-[(3S)-hexahydro-1H-azepin-3-y1]-6-(3-methylphenyl)- (9CI) (CA INDEX NAME)
- Absolute stereochemistry.

- RN 625469-13-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2-methylphenyl)acetyl]amino]phenyl]-N(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625469-14-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[3-(trifluoromethyl)phenyl]acetyl]amino]phenyl]- (9CI) (CA INDEX NAME)

RN 625469-15-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(4-methoxypheny1)acety1]amino]pheny1]-N-(3S)-3-piperidiny1- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-16-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(6-methyl-3pyridinyl)carbonyl]amino]phenyl]-N-(38)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-17-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(3-fluorophenyl)acetyl]amino]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-18-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[(3pyridinylacetyl)amino]phenyl]- (9CI) (CA INDEX NAME)

RN 625469-19-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[(3-pyridinylcarbonyl)amino]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-20-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2,5-difluorophenyl)acetyl]amino]pheny 1]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-21-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(4-fluorophenyl)acetyl]amino]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-22-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[3-fluoro-5-(trifluoromethyl)phenyl]methyl]amino]carbonyl)phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

RN 625469-23-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-(4-nitropheny1)-2-furany1]carbony1]amino]methy1]pheny1]-N-(3S)-3-piperidiny1-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-24-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-hydroxy-2-pyridinyl)carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-25-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[4-(trifluoromethoxy)phenoxy]acetyl]amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-26-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(5-methyl-3-isoxacyly])carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-27-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[(5-isoxazolylcarbonyl)amino]methyl]phe

nyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-28-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[(1,2,3-thiadiazol-5-ylcarbonyl)amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-29-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,5-dichloro-3-thienyl)carbonyl]amino]methyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(5-chloro-2methylphenyl)methyl[amino]carbonyl[phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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625469-31-0P 625469-32-1P 625469-33-2P
     625469-34-3P 625469-35-4P 625469-36-5P
     625469-37-6P 625469-38-7P 625469-39-8P
     625469-40-1P 625469-41-2P 625469-42-3P
     625469-43-4P 625469-44-5P 625469-45-6P
     625469-46-7P 625469-47-8P 625469-48-9P
     625469-49-0P 625469-50-3P 625469-51-4P
     625469-52-5P 625469-53-6P 625469-54-7P
     625469-55-8P 625469-56-9P 625469-57-0P
     625469-58-1P 625469-59-2P 625469-60-5P
     625469-61-6P 625469-62-7P 625469-63-8P
     625469-64-9P 625469-65-0P 625469-66-1P
     625469-67-2P 625469-68-3P 625469-69-4P
     625469-70-7P 625469-71-8P 625469-72-9P
     625469-73-0P 625469-74-1P 625469-75-2P
     625469-76-3P 625469-77-4P 625469-78-5P
     625469-79-6P 625470-21-5P 625470-22-6P
     625471-65-0P 625471-86-5P 625471-88-7P
     625478-21-9P 625515-65-3P 625528-57-6P
     625614-94-0P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of protein kinase modulators)
RN
     625469-31-0 CAPLUS
     Pyrazinecarboxamide, 3-amino-6-[3-[[[[2-chloro-5-
```

(trifluoromethyl)phenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-

Absolute stereochemistry.

(9CI) (CA INDEX NAME)

CN

RN 625469-32-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-chloro-6-fluorophenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-33-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-chloro-2-fluorophenyl)methyl]amino]carbonyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3-yl]- (9C1) (CA INDEX NAME)

RN 625469-34-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-chloro-2-fluorophenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-35-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[2-fluoro-5-(trifluoromethyl)phenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

RN 625469-36-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-chloro-2,6-difluorophenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625469-37-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[2-fluoro-4-(trifluoromethyl)phenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625469-38-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-chloro-4-fluorophenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(CA INDEX NAME)

RN 625469-39-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-dichlorophenyl)methyl]amino]carb onyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-40-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidiny1-6-[3-[[(2,3,6-trifluorophenyl)methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-41-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[4-chloro-3-

(trifluoromethyl)phenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-42-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-chloro-4-fluorophenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI)(CA INDEX NAME)

Absolute stereochemistry.

RN 625469-43-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-difluorophenyl)methyl]amino]carbonyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3-yl]- (9CI) (CA INDEX NAME)

RN 625469-44-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,4-difluorophenyl)methyl]amino]carb onyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-45-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,5-difluoropheny1)methy1]amino]carb onyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3-yl]- (9CI) (CA INDEX NAME)

- RN 625469-46-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,6-difluorophenyl)methyl]amino]carb onyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625469-47-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(6-chloro-2-fluoro-3-methylphenyl]methyl]amino]carbonyl]phenyl]-N-(35)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-48-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-chloro-6-fluoro-3-methylphenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-49-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-chloro-3,6-difluorophenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-50-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,5-dichloropheny1)methy1]amino]carb ony1]pheny1]-N-(3S)-3-piperidiny1- (9CI) (CA INDEX NAME)

RN 625469-51-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[(2,3,4-trifluorophenyl)methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-52-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-difluoropheny1)methy1]amino]carb onyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-53-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-fluoro-4-methylphenyl])methyl]amino[carbonyl]phenyl]-N-(3\$)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-54-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-chloro-2,6difluorophenyl)methyl]amino]carbonyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3yl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-55-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,3-dihydro-1,4-benzodioxin-6y1)methyl]amino[carbonyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3-y1]- (9CI) (CA INDEX NAME)

RN 625469-56-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-chloro-6fluorophenyl)methyl]amino|carbonyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3yl]-(9C1) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-57-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,6-difluorophenyl)methyl]amino]carb onyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3-yl]- (9CI) (CA INDEX NAME)

RN 625469-58-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-chloro-4fluorophenyl)methyl]amino|carbonyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3yl]- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-59-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-chloro-2fluorophenyl)methyl]amino]carbonyl]phenyl]-N-[(3S)-hexahydro-1H-azepin-3yl]- (9C1) (CA INDEX NAME)

RN 625469-60-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-chloro-2-methylphenyl)methyl]amino]carbonyl]phenyl]-N-(35)-3-piperidinyl-(CA INDEX NAME)

Absolute stereochemistry.

RN 625469-61-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,6-dimethoxyphenyl)methyl]amino]car bonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-62-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-bromo-4-fluorophenyl])methyl]amino[carbonyl]phenyl]-N-(3\$)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-63-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[(3,4,5-trifluorophenyl)methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-64-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(4-fluoro-3-methylphenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-65-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[(2,3,5-trifluorophenyl)methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-66-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(5-fluoro-2-methylphenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-67-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-bromo-5-fluorophenyl)methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-68-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidinyl-6-[3-[[[4-(1H-pyrazol-1-yl)phenyl]methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 625469-69-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[([1,1'-biphenyl]-3ylmethyl)amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-70-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2-methylphenyl)methyl]amino]carbonyl ]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-71-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,5-dimethylphenyl)methyl]amino]carb onyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-72-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,5-dimethylphenyl)methyl]amino]carb onyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-73-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,4-dimethylphenyl)methyl]amino]carb onyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-74-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-methoxyphenyl)methyl]amino]carbony l]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-75-2 CAPLUS

Absolute stereochemistry.

RN 625469-76-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,5-dimethoxyphenyl)methyl]amino]car bonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

RN 625469-77-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3,4-dimethoxyphenyl)methyl]amino]car bonyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625469-78-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-[(3S)-hexahydro-1H-azepin-3-yl)-6-[3-[[[4-(1H-pyrazol-1-yl)phenyl]methyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 625469-79-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N,6-diphenyl- (9CI) (CA INDEX NAME)

- RN 625470-21-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[[3-fluoro-4-(trifluoromethyl)phenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(3-chloro-2,6-difluorophenyl]methyl]amino]carbonyl]phenyl]-N-(3S)-3-piperidinyl-, monohydrochloride (9G1) (CA INDEX NAME)

Absolute stereochemistry.

HC1

- RN 625471-65-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(18,2R)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]amino|carbonyl]phenyl]-N-[(35)-1-ethyl-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

- RN 625471-86-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(1S)-2,3-dihydro-1H-inden-1-yl]amino]methyl]phenyl]-N-(hexahydro-1H-azepin-3-yl)- (9CI) (GA INDEX NAME)

RN 625471-88-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-(3S)-3-piperidiny1-6-[3-[[(2-thienylcarbonyl)amino]methyl]phenyl]- (9CI) (CA INDEX NAME)

## Absolute stereochemistry.

RN 625478-21-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,4-difluorophenyl)methyl]amino]meth yl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

#### Absolute stereochemistry.

RN 625515-65-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[[[(2,4-dichlorophenyl)methyl]amino]carb onyl]phenyl]-N-(3S)-3-piperidinyl- (9CI) (CA INDEX NAME)

- RN 625528-57-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-[[(2,3-dihydro-1H-inden-1-yl)amino]carbonyl]phenyl]-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)

#### Absolute stereochemistry.

- RN 625614-94-0 CAPLUS
- CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-amino-6-[3-[[(2,3-dihydro-1H-inden-2-y)amino]carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (35)- (9CI) (CA INDEX NAME)

## Absolute stereochemistry.

- IT 625471-19-4 625471-20-7
  - RL: RCT (Reactant); RACT (Reactant or reagent) (preparation of protein kinase modulators)
- RN 625471-19-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-(methoxycarbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9GI) (CA INDEX NAME)

Absolute stereochemistry.

RN 625471-20-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-(3-aminophenyl)pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)-(9C1) (CA INDEX NAME)

Absolute stereochemistry.

- IT 625470-32-8P 625470-92-0P 625470-93-1P
  - 625470-98-6P 625470-99-7P 625471-00-3P
    - 625471-01-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of protein kinase modulators)

- RN 625470-32-8 CAPLUS
- CN Benzoic acid, 3-[5-amino-6-[(cyclopropylamino)carbonyl]pyrazinyl]- (9CI) (CA INDEX NAME)

- RN 625470-92-0 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-(3-carboxyphenyl)pyrazinyl]carbonyl]amino]-, 1-(1,1-dimethylethyl) ester, (3S)- (9CI) (CA INDEX NAME)

### Absolute stereochemistry.

- RN 625470-93-1 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[([1,1'-biphenyl]]-2-ylamino)carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

#### Absolute stereochemistry.

- RN 625470-98-6 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[[3-fluoro-4-

(trifluoromethyl)phenyl]methyl]amino]carbonyl]phenyl]pyrazinyl]carbonyl]am ino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

#### Absolute stereochemistry.

- RN 625470-99-7 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[[(3-chloro-2,6-difluorophenyl]methyl]amino|carbonyl]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (33)- (9C1) (CA INDEX NAME)

## Absolute stereochemistry.

- RN 625471-00-3 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-[[[3-amino-6-[3-[[(2-methylphenyl)acetyl]amino]phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (35)- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

RN 625471-01-4 CAPLUS

CN 1-Piperidinecarboxvlic acid, 3-[[[3-amino-6-[3-(azidomethyl)phenyl]pyrazinyl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

ANSWER 8 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:42253 CAPLUS

DOCUMENT NUMBER: 138:106713

TITLE: Preparation of heterocyclic amines for the treatment

of conditions associated with GSK3

INVENTOR(S): Berg, Stefan; Hellberg, Sven

PATENT ASSIGNEE(S): Astrazeneca AB, Swed. SOURCE:

PCT Int. Appl., 62 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

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WO 2003004475				A1 20030116					WO 2	002-	20020703					
W:	AE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG AU 2002319989 A1 20030121 AU 2002-319989 20020703 EP 1406877 A1 20040414 EP 2002-749475 20020703 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK JP 2004536110 т 20041202 JP 2003-510642 20020703 US 2004186113 A1 20040923 US 2003-481699 20031222 PRIORITY APPLN. INFO .: SE 2001-2438 A 20010705 WO 2002-SE1340 W 20020703 MARPAT 138:106713 OTHER SOURCE(S):

GI

AB Title compds. I [Y = carboxamido, amido, sulfonamido, etc.; X = CH, N; P, Q= Ph, 5-6-membered heteroarom. ring, etc.; R1 = halo, NO2, alky1-CN, alkyl-alkoxy, fluoromethyl, alkyl-amino, etc.; R2 = halo, NO2, CHO, alkyl-nitrile, etc.; n = 0.5; m = 0.4; R14 = H, Me, F, Cl, Br, etc.] are prepared For instance, 3-aminopyridine was reacted with 3-amino-6-bromo-2-pyrazinecarboxylate (DBU) to give II. Example compds. had Ki in the range of 0.001 to 10,000 nM for glycogen synthase kinase-3 (GSK3). I are used for the treatment of Parkinson's Disease, etc. 486424-13-9P, 4-[5-Amino-6-[((pyridin-3-yl)amino)carbonyl]pyrazin-2-yl]benzoic acid 487034-96-8P, 3-Amino-6-(2,4-dichlorophenyl)-N-[4-(2-(pyrrolidin-1-yl)ethyl)pyridin-3-yl]pyrazine-2-carboxamide 487034-97-9P, 3-Amino-6-(3-chloro-4-fluorophenvl)-N-[4-(2-(pyrrolidin-1-yl)ethyl)pyridin-3-yl]pyrazine-2-carboxamide 487035-01-8P, 3-Amino-6-(4-hydroxyphenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of heterocyclic amines for treatment of conditions associated with

gsk-3)

- RN 486424-13-9 CAPLUS
- CN Benzoic acid, 4-[5-amino-6-[(3-pyridinylamino)carbonyl]pyrazinyl]- (9CI) (CA INDEX NAME)

- RN 487034-96-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2,4-dichlorophenyl)-N-[4-[2-(1-pyrrolidinyl)ethyl]-3-pyridinyl]- (9CI) (CA INDEX NAME)

- RN 487034-97-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3-chloro-4-fluorophenyl)-N-[4-[2-(1-pyrrolidinyl)ethyl]-3-pyridinyl]- (9CI) (CA INDEX NAME)

RN 487035-01-8 CAPLUS CN Pyrazinecarboxamide, 3-amino-6-(4-hydroxyphenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

ΤТ 487034-72-0P, 3-Amino-6-phenyl-N-(pyridin-3-yl)pyrazine-2carboxamide 487034-73-1P, 3-Amino-6-(2-methylphenyl)-N-(pyridin-3-v1)pvrazine-2-carboxamide 487034-74-2P, 3-Amino-6-(4cvanophenv1)-N-(pvridin-3-v1)pvrazine-2-carboxamide 487034-75-3P , 3-Amino-6-(3,4-methylenedioxyphenyl)-N-(pyridin-3-yl)pyrazine-2carboxamide 487034-77-5P, 3-Amino-6-(3-nitrophenyl)-N-(pyridin-3yl)pyrazine-2-carboxamide 487034-78-6P, 3-Amino-6-(3,5bis(trifluoromethyl)phenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide 487034-82-2P, 3-Amino-6-(4-fluorophenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide 487034-83-3P, 3-Amino-6-(4-chlorophenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide 487034-84-4P, 3-Amino-6-(2,3-dichlorophenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide 487034-85-5P, 3-Amino-6-(2,4-dichlorophenyl)-N-(pyridin-3yl)pyrazine-2-carboxamide 487034-86-6P, 3-Amino-6-(2,4difluorophenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide 487034-87-7P, 3-Amino-6-(3,4-difluorophenyl)-N-(pyridin-3yl)pyrazine-2-carboxamide 487034-88-8P, 3-Amino-6-(3-chloro-4fluorophenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide 487034-90-2P , 3-Amino-6-(4-fluoro-3-methylphenyl)-N-(pyridin-3-yl)pyrazine-2carboxamide 487034-91-3P, 3-Amino-6-(3,4-dimethylphenyl)-N-(pvridin-3-v1)pvrazine-2-carboxamide 487034-92-4P, 3-Amino-6-(3-fluorophenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide 487034-93-5P, 3-Amino-6-(2-fluorophenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide 487034-98-0P, 3-Amino-6-(2,4-dichlorophenyl)-N-[4-(2-(pyrrolidin-1-yl)ethyl)pyridin-3-yl]pyrazine-2-carboxamide hydrochloride 487034-99-1P, 3-Amino-6-(3-chloro-4-fluorophenyl)-N-[4-(2-(pyrrolidin-1-v1)ethyl)pyridin-3-v1]pyrazine-2-carboxamide hydrochloride 487035-02-9P, 3-Amino-6-(4-hydroxyphenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide hydrochloride 487035-03-0P, 3-Amino-6-[4-(aminocarbonyl)phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(preparation of heterocyclic amines for treatment of conditions associated with

gsk-3)
RN 487034-72-0 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-6-phenyl-N-3-pyridinyl- (CA INDEX NAME)

- RN 487034-73-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2-methylphenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 487034-74-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(4-cyanophenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 487034-75-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(1,3-benzodioxol-5-yl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 487034-77-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(3-nitrophenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 487034-78-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3,5-bis(trifluoromethyl)phenyl]-N-3pyridinyl- (9CI) (CA INDEX NAME)

RN 487034-82-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(4-fluorophenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 487034-83-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(4-chlorophenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 487034-84-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-(2,3-dichlorophenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 487034-85-5 CAPLUS

- RN 487034-86-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2,4-difluorophenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 487034-87-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3,4-difluorophenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 487034-88-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3-chloro-4-fluorophenyl)-N-3-pyridinyl-(9CI) (CA INDEX NAME)

- RN 487034-90-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(4-fluoro-3-methylphenyl)-N-3-pyridinyl-(9CI) (CA INDEX NAME)

- RN 487034-91-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3,4-dimethylphenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 487034-92-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3-fluorophenyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 487034-93-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2-fluoropheny1)-N-3-pyridiny1- (9CI) (CA INDEX NAME)

- RN 487034-98-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(2,4-dichlorophenyl)-N-[4-[2-(1-pyrrolidinyl)ethyl]-3-pyridinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

- HCl
- RN 487034-99-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-(3-chloro-4-fluoropheny1)-N-[4-[2-(1-pyrroliddiny1)ethy1]-3-pyridiny1]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 487035-02-9 CAPLUS CN Pyrazinecarboxamide, 3-amino-6-(4-hydroxyphenyl)-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

• HC1

RN 487035-03-0 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-(aminocarbonyl)phenyl]-N-3-pyridinyl(9CI) (CA INDEX NAME)

REFERENCE COUNT:

11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:42250 CAPLUS

DOCUMENT NUMBER: 138:106712

TITLE: Preparation of pyrazine-2-carboxamides as glycogen

synthase kinase-3 (GSK3) inhibitors

INVENTOR(S): Berg, Stefan; Hellberg, Sven
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.

SOURCE: PCT Int. Appl., 158 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

P	PATENT NO.							DATE		APPLICATION NO.										
W	0	20030		A1									20020703							
		W:	CO, GM, LS,	CR, HR, LT,	CU, HU, LU,	CZ, ID, LV,	DE, IL, MA,	DK, IN, MD,	DM, IS, MG,	DZ, JP, MK,	EC KE MN	, BG, , EE, , KG, , MW,	ES, KP, MX,	FI, KR, MZ,	GB, KZ, NO,	GD, LC, NZ,	GE, LK, OM,	GH, LR, PH,		
								SE,				, SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,		
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ	, TZ,								
			PT,	SE,	SK,	TR,						, CM,								
		0.150		SN,																
				1 20030116																
				1 20030121																
E	Р									EP 2002-747795 GB, GR, IT, LI, LU,										
		R:															MC,	PT,		
	_											, TR,								
В	K	20020	A		2004	0/13		BK .	2002-	1083		20020703								
C	CN 1551869 JP 2005505515							2004	1201		CN 2	2002-	8135		20020703					
J	JP 2005505515							2005	0224		JP A	2003-	2100	20020703						
	TN 2003MN01143										HU 2005-339 IN 2003-MN1143									
											MX 2003-MN1143									
	MX 2003PA11972									MX 2003-PA11972 US 2003-481721										
											ZA 2003-461721									
	NO 2004000014										NO 2004-14									
	PRIORITY APPLN. INFO.:							2004	0002			2001-								

MARPAT 138:106712

$$\begin{array}{c|c} z & \mathsf{NH}_2 \\ \\ R & Y \\ \\ R^3 \\ n & Q & R^4 \\ \\ n \end{array}$$

$$\begin{array}{c|c} N & NH_2 \\ \hline & N \\ \hline & N \\ \hline & N \\ \hline & O \\ \end{array}$$

AB The title compds. [I; Z = CH, N; Y = CONR5, NR5CO, SO2NR5, etc.; X = CH, N; P = Ph or 5-6 membered heteroaryl which may optionally be fused with 5-6 membered (un)saturated ring containing one or more atoms selected from C,

N, O

or S; Q = Ph or 5-6 membered heteroaryl containing one or more heteroatoms
selected from N, O or S of which at least one atom is selected from N
atom; R = CHO, OCH2F, OCH2F, OCF3, atc.; R3, R4 = halo, NO2, CHO, etc.; n,
m = 0-4], useful in the prevention and/or treatment of conditions associated
with glycogen synthase kinase-3, were prepared and formulated. Thus,
coupling 3-amino-6-bromo-N-(pyridin-3-yl)pyrazine-2-carboxamide with
4-(pyrrolidin-1-ylsulfonyl)phenylboronic acid (prepns. given) in the
presence of Pd(dppf)Cl2 and Na2CO3 in dimethoxyethane afforded 93% the
carboxamide II. Typical Ki values for the compds. I are in the range of
about 0.001 to about 10,000 nM.

T 486423-10-3P, 3-Amino-N-(pyridin-3-yl)-6-14-((pyrolidin-1-yl)sulfonyl)phenyl]pyrazine-2-carboxamide 486423-11-4P,
3-Amino-6-[4-((piperidin-1-yl)sulfonyl)phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide 486423-12-5P, 3-Amino-6-[3-ethyl-4-[(4-methyl-piperazin-1-yl)sulfonyl]phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide 486423-13-6P, 3-Amino-6-[4-[(4-methyl-piperazin-1-yl)sulfonyl]-3-(trifluoromethoxy)phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide 486423-15-8P, 3-Amino-N-[5-[3-(dimethyl-mino-pyropyl]pyridin-3-yl]-6-[4-(piperidin-1-ylsulfonyl)phenyl]pyrazine-2-carboxamide 486423-0-8P

RL: CPS (Chemical process); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(preparation of pyrazine-2-carboxamides as glycogen synthase kinase-3 (GSK3)
inhibitors)

RN 486423-10-3 CAPLUS

N Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-(1-pyrrolidinylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

RN 486423-11-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-(1-piperidinylsulfonyl)phenyl]-N-3pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-12-5 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[3-ethyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 486423-13-6 CAPLUS

- RN 486423-15-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-[5-[3-(dimethylamino)propyl]-3-pyridinyl]-6-[4-(1-piperidinylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

- RN 486424-07-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[(2-aminoethyl)amino]sulfonyl]-3-(trifluoromethoxy)phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

$$\begin{array}{c} 0 \\ 0 \\ S \\ NH \\ -CH_2 \\ -CH_2 \\ -NH_2 \\ \end{array}$$

- RN 486424-20-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

IT 486423-14-7P, tert-Butyl 4-[(4-[5-amino-6-(((pyridin-3-yl)amino) carbonyl)pyrazin-2-yl]phenyl)sulfonyl]piperazine-1-carboxylate 486423-78-3P 486423-80-7P 486424-13-9P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of pyrazine-2-carboxamides as glycogen synthase kinase-3 (GSK3) inhibitors)

RN 486423-14-7 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[4-[5-amino-6-[(3-pyridinylamino)carbonyl]pyrazinyl]phenyl]sulfonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 486423-78-3 CAPLUS CN 1-Piperazinecarboxy

1-Piperazinecarboxylic acid, 4-[2-[4-[5-amino-6-[(3-pyridinylamino)carbonyl]pyrazinyl]phenoxy]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 486423-80-7 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[2-[4-[5-amino-6-[(3-pyridinylamino)carbonyl]pyrazinyl]-2,5-difluorophenoxy]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 486424-13-9 CAPLUS

CN Benzoic acid, 4-[5-amino-6-[(3-pyridinylamino)carbonyl]pyrazinyl]- (9CI) (CA INDEX NAME)

486423-16-9P, 3-Amino-N-[5-[3-(dimethylamino)propyl]pvridin-3-v1]-6-[4-(pyrrolidin-1-ylsulfonyl)phenyl]pyrazine-2-carboxamide 486423-17-0P, 3-Amino-N-[4-[(dimethylamino)methyl]pyridin-3-yl]-6-[4-[(dimethylamino)sulfonyl]phenyl]pyrazine-2-carboxamide 486423-18-1P, 3-Amino-N-[4-[3-(dimethylamino)propyl]pyridin-3-yl]-6-[4-[(dimethylamino)sulfonyl]phenyl]pyrazine-2-carboxamide 486423-19-2P, 3-Amino-6-(4-[[N-methyl-N-(1-methylpyrrolidin-3yl)amino]sulfonyl]phenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide 486423-20-5P, 3-Amino-6-(4-[[N-methyl-N-(1-methylpiperidin-4v1) amino[sulfonv1]phenv1)-N-(pyridin-3-y1)pyrazine-2-carboxamide 486423-21-6P, 3-Amino-6-(4-[[N-[3-(dimethylamino)propyl]-Nmethylamino]sulfonyl]phenyl)-N-(pyridin-3-yl)pyrazine-2-carboxamide hydrochloride 486423-22-7P, 3-Amino-6-(4-[[3-(dimethylamino)pyrrolidin-1-yl]sulfonyl]phenyl)-N-(pyridin-3-yl)pyrazine-2carboxamide 486423-23-8P, 3-Amino-6-[4-((morpholin-4yl)sulfonyl)phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide 486423-24-9P 486423-25-0P, 3-Amino-6-[4-[(4ethylpiperazine-1-yl)sulfonyl]phenyl]-N-(pyridin-3-yl)pyrazine-2carboxamide 486423-26-1P 486423-27-2P 486423-28-3P 486423-29-4P, 3-Amino-6-[4-[[N-isopropyl-N-

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(2-methoxyethyl)amino]sulfonyl]phenyl)-N-(pyridin-3-yl)pyrazine-2-
carboxamide hydrochloride 486423-30-7P 486423-31-8P
486423-32-9P, 3-Amino-N-(pyridin-3-v1)-6-(4-[[(2-(pyridin-2-
v1)ethv1)amino|sulfonv1|phenv1)pvrazine-2-carboxamide 486423-33-0P
, 3-Amino-6-(4-[[(2-methoxy-1-methylethyl)amino]sulfonyl]phenyl)-N-
(pyridin-3-yl)pyrazine-2-carboxamide hydrochloride 486423-34-1P,
3-Amino-6-[4-([[2-(dimethylamino)-1-methylethyl]amino]sulfonyl)phenyl]-N-
(pyridin-3-yl)pyrazine-2-carboxamide 486423-35-2P,
3-Amino-N-(pyridin-3-yl)-6-(4-[[(3-(pyrrolidin-1-
vl)propvl)aminolsulfonvl]phenvl)pvrazine-2-carboxamide
486423-36-3P, 6-[4-[(4-Acetylpiperazin-1-yl)sulfonyl]phenyl]-3-
amino-N-(pyridin-3-yl)pyrazine-2-carboxamide 486423-37-4P
486423-38-5P 486423-40-9P, 3-Amino-6-(4-[[N-[2-
(dimethylamino)ethyl]-N-ethylamino]carbonyl]phenyl)-N-(pyridin-3-
yl)pyrazine-2-carboxamide 486423-41-0P, 3-Amino-6-(4-[[N-[3-
(dimethylamino)propyl]-N-methylamino]carbonyl]phenyl)-N-(pyridin-3-
yl)pyrazine-2-carboxamide 486423-42-1P, 3-Amino-6-(4-([[3-
(dimethylamino)propyl]amino]carbonyl)phenyl]-N-(pyridin-3-yl)pyrazine-2-
carboxamide 486423-43-2P, 3-Amino-N-(pyridin-3-yl)-6-(4-[[(2-
(pyrrolidin-1-yl)ethyl)amino[carbonyl]phenyl)pyrazine-2-carboxamide
486423-44-3P, 3-Amino-N-(pyridin-3-v1)-6-(4-[[(3-(pyrrolidin-1-
vl)propvl)aminolcarbonvl]phenvl)pvrazine-2-carboxamide
486423-45-4P, 3-Amino-6-[4-[(4-methyl-1,4-diazepan-1-
v1) carbonv1 | phenv1 | -N-(pvridin-3-v1) pvrazine-2-carboxamide
486423-46-5P, 3-Amino-6-(4-[[N-methyl-N-(1-methylpyrrolidin-3-
v1) amino]carbonv1]phenv1)-N-(pyridin-3-v1)pyrazine-2-carboxamide
486423-47-6P, 3-Amino-6-[4-[[[2-(dimethylamino)ethyl]amino]carbony
1]phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide 486423-48-7P,
3-Amino-6-[4-([[2-(dimethylamino)-1-methylethyl]amino]carbonyl)phenyl]-N-
(pyridin-3-yl)pyrazine-2-carboxamide 486423-49-8P,
3-Amino-6-[4-[[3-(dimethylamino)pyrrolidin-1-yl]carbonyl]phenyl)-N-
(pyridin-3-yl)pyrazine-2-carboxamide 486423-50-1P,
3-Amino-6-[4-([[(1-ethylpyrrolidin-2-yl)methyl]amino]carbonyl)phenyl]-N-
(pvridin-3-v1)pvrazine-2-carboxamide 486423-51-2P,
3-Amino-6-[4-([[3-(4-methylpiperazin-1-yl)propyl]amino]carbonyl)phenyl]-N-
(pyridin-3-yl)pyrazine-2-carboxamide 486423-52-3P,
3-Amino-6-(4-[[N-methyl-N-(1-methylpiperidin-4-yl)amino]carbonyl]phenyl)-N-
(pyridin-3-yl)pyrazine-2-carboxamide 486423-53-4P,
3-Amino-6-(4-[[(2-(piperidin-1-yl)ethyl)amino]carbonyl]phenyl)-N-(pyridin-
3-v1)pvrazine-2-carboxamide 486423-54-5P, 3-Amino-6-(4-[[(1-
ethylpiperidin-3-vl)amino|carbonyl|phenyl)-N-(pyridin-3-vl)pyrazine-2-
carboxamide 486423-55-6P, 3-Amino-6-[4-([[2-(1-methylpyrrolidin-
2-v1)ethv1|amino|carbonv1)phenv1|-N-(pvridin-3-v1)pvrazine-2-carboxamide
486423-56-7P, 3-Amino-N-(pyridin-3-yl)-6-[4-[(4-(pyrrolidin-1-
yl)piperidin-1-yl)carbonyl]phenyl]pyrazine-2-carboxamide
486423-58-9P 486423-59-0P 486423-60-3P
486423-61-4P 486423-62-5P 486423-63-6P
486423-64-7P 486423-65-8P 486423-66-9P
486423-67-0P 486423-68-1P 486423-69-2P
486423-70-5P, 3-Amino-6-[4-[2-(4-methyl-1-
piperazinyl)ethoxy[phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide
486423-71-6P, 3-Amino-6-[4-[[[2-(4-morpholinyl)ethyl]amino]carbony
1]phenv1]-N-(pyridin-3-v1)pyrazine-2-carboxamide 486423-72-7P,
3-Amino-6-[4-[(1-methylpyrrolidin-3-v1)oxylphenyl]-N-(pyridin-3-
vl)pvrazine-2-carboxamide 486423-73-8P 486423-74-9P
486423-75-0P 486423-76-1P 486423-77-2P
486423-79-4P 486423-81-8P 486423-82-9P
486423-83-0P 486423-84-1P 486423-88-5P
486423-89-6P 486423-90-9P 486423-91-0P
486423-92-1P 486423-93-2P 486423-94-3P
486423-95-4P 486423-96-5P 486423-97-6P
486423-98-7P 486423-99-8P 486424-00-4P
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486424-01-5P 486424-04-8P 486424-05-9P
486424-06-0P 486424-08-2P 486424-09-3P
486424-12-8P 486424-14-0P, 3-Amino-6-[4-
[(dimethylamino)sulfonyl]phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide
486424-15-1P, 3-Amino-6-[3-[(dimethylamino)sulfonyl]phenyl]-N-
(pyridin-3-v1)pyrazine-2-carboxamide 486424-16-2P.
3-Amino-6-[2-[(dimethylamino)sulfonyl]phenyl]-N-(pyridin-3-yl)pyrazine-2-
carboxamide 486424-17-3P, 3-Amino-6-[4-(aminosulfonyl)phenyl]-N-
(pvridin-3-v1)pvrazine-2-carboxamide 486424-19-5P,
3-Amino-6-(4-[[(3-(morpholin-4-v1)propyl)amino]sulfonyl]phenyl)-N-(pyridin-
3-v1)pvrazine-2-carboxamide 486424-21-9P 486424-22-0P.
3-Amino-6-[2,5-difluoro-4-[(4-methylpiperazin-1-y1)sulfony1]pheny1]-N-
(pyridin-3-yl)pyrazine-2-carboxamide 486424-23-1P,
3-Amino-6-[3-fluoro-4-[(4-methylpiperazin-1-yl)sulfonyl]phenyl]-N-(pyridin-
3-v1)pyrazine-2-carboxamide 486424-24-2P, 3-Amino-6-[3-methy1-4-
[(4-methylpiperazin-1-yl)sulfonyl]phenyl]-N-(pyridin-3-yl)pyrazine-2-
carboxamide 486424-25-3P, 3-Amino-6-[2-[(4-methylpiperazin-1-
yl)sulfonyl]phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide
486424-26-4P, 3-Amino-6-[3-[(4-methylpiperazin-1-
yl)sulfonyl]phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide
486424-27-5P, 3-Amino-6-[2-methyl-4-[(4-methylpiperazin-1-
v1)sulfonv1|phenv1|-N-(pvridin-3-v1)pvrazine-2-carboxamide
486424-28-6P, 3-Amino-6-[4-([[2-(dimethylamino)ethyl]amino]sulfony
1)-3-(trifluoromethoxy)phenyll-N-(pyridin-3-yl)pyrazine-2-carboxamide
486424-29-7P, 3-Amino-6-[4-[[N-[2-(dimethylamino)ethyl]-N-
ethylamino]sulfonyl)-3-(trifluoromethoxy)phenyl]-N-(pyridin-3-yl)pyrazine-
2-carboxamide 486424-30-0P, 3-Amino-6-[4-[(4-methylpiperazin-1-
v1) sulfonv1]-2-(trifluoromethv1) phenv1]-N-(pvridin-3-v1) pvrazine-2-
carboxamide 486424-31-1P, 3-Amino-6-[4-[2-
(dimethylamino)ethoxy]phenyl]-N-(pyridin-3-yl)pyrazine-2-carboxamide
486424-32-2P, 3-Amino-6-[4-[2-(4-morpholiny1)ethoxy]pheny1]-N-
(pyridin-3-yl)pyrazine-2-carboxamide 486424-33-3P,
3-Amino-6-[4-[[N-[2-(dimethylamino)ethyl]-N-methylamino]carbonyl]phenyl]-N-
(pyridin-3-v1)pyrazine-2-carboxamide 486424-34-4P,
3-Amino-6-[2,5-difluoro-4-((pvrrolidin-1-vl)sulfonvl]phenvl]-N-[5-(3-
(pyrrolidin-1-yl)propyl)pyridin-3-yl]pyrazine-2-carboxamide
486424-40-2P, tert-Butyl [2-[[(4-[5-amino-6-[((pyridin-3-
yl) amino) carbonyl]pyrazin-2-yl]phenyl) sulfonyl]-N-(tert-
butoxycarbonyl)amino]ethyl]carbamate 486424-41-3P
486424-42-4P 486424-43-5P, 3-Amino-6-[2-fluoro-4-[(4-
methylpiperazin-1-v1)sulfonv1]phenv1]-N-(pvridin-3-v1)pvrazine-2-
carboxamide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
   (preparation of pyrazine-2-carboxamides as glycogen synthase kinase-3 (GSK3)
   inhibitors)
486423-16-9 CAPLUS
Pyrazinecarboxamide, 3-amino-N-[5-[3-(dimethylamino)propyl]-3-pyridinyl]-6-
[4-(1-pyrrolidinylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)
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RN

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RN 486423-17-0 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-[4-[(dimethylamino)methyl]-3-pyridinyl]-6[4-[(dimethylamino)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 486423-18-1 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-[4-[3-(dimethylamino)propyl]-3-pyridinyl]-6[4-[(dimethylamino)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

RN 486423-19-2 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-[[methy1(1-methy1-3-

pyrrolidinyl)amino]sulfonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-20-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[methyl(1-methyl-4-piperidinyl)amino]sulfonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-21-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[3-(dimethylamino)propyl]methylamino]s
 ulfonyl]phenyl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

HC1

RN

# RN

RN

CN

x HCl

Pyrazinecarboxamide, 3-amino-6-[4-[[[3-(4-methyl-1-

piperazinyl)propyl]amino]sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride

486423-24-9 CAPLUS

(9CI) (CA INDEX NAME)

RN 486423-23-8 CAPLUS CN Pyrazinecarboxamide, 3-amino-6-[4-(4-morpholinylsulfonyl)phenyl]-N-3pyridinyl- (9CI) (CA INDEX NAME)

CN Pyrazinecarboxamide, 3-amino-6-[4-[[3-(dimethylamino)-1pyrrolidinyl]sulfonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME) CN 2-Pyrazinecarboxamide, 3-amino-6-[4-[(4-ethyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

- RN 486423-26-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-[[[2-(1-pyrrolidinyl)ethyl]amino]sulfonyl]phenyl]-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

- RN 486423-27-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[(hexahydro-4-methyl-1H-1, 4-diazepin-1-yl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

RN 486423-28-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)propyl]amino]sulfony l]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

RN 486423-29-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[(2-methoxyethyl)(1-methylethyl)amino]sulfonyl]phenyl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

## ● HC1

- 486423-30-7 CAPLUS CN
  - Pyrazinecarboxamide, 3-amino-6-[4-[[[(1-ethyl-2-pyrrolidinyl)methyl]amino]sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

- RN 486423-31-8 CAPLUS CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(diethylamino)ethyl]amino]sulfonyl]
  - phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

#### ●x HCl

RN 486423-32-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-3-pyridiny1-6-[4-[[[2-(2-pyridiny1)ethy1]amino]sulfony1]pheny1]- (9CI) (CA INDEX NAME)

RN 486423-33-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[(2-methoxy-1-methylethyl)amino]sulfonyl]phenyl]-N-3-pyridinyl-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 486423-34-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)-1-methylethyl]amino]sulfonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-35-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-[[[3-(1pyrrolidinyl)propyl]amino]sulfonyl]phenyl]- (9CI) (CA INDEX NAME)

486423-36-3 CAPLUS

RN

CN Pyrazinecarboxamide, 6-[4-[(4-acetyl-1-piperaziny1)sulfony1]pheny1]-3amino-N-3-pyridiny1- (9CI) (CA INDEX NAME)

- RN 486423-37-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]ethylamino]sul fonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- ●x HC1
- RN 486423-38-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[[3-(dimethylamino)propyl]amino]sulfony 1]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

RN 486423-40-9 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]ethylamino]car
bonyljphenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-41-0 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-[[[3-(dimethylamino)propyl]methylamino]c
arbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 486423-42-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[[3-(dimethylamino)propy1]amino]carbony l]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 486423-43-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-[[[2-(1-pyrrolidinyl)ethyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 486423-44-3 CAPLUS CN Pyrazinecarboxamide
- CN Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-[[[3-(1-pyrrolidinyl)propyl]amino]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 486423-45-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[(hexahydro-4-methyl-1H-1,4-diazepin-1-

yl)carbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 486423-46-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[methyl(1-methyl-3-pyrrolidinyl)amino]carbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 486423-47-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]amino]carbonyl ]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 486423-48-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)-1-

RN 486423-49-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[3-(dimethylamino)-1-pyrrolidinyl]carbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-50-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[(1-ethyl-2pyrrolidinyl)methyl]amino]carbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-51-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[3-(4-methyl-1-piperaziny1)propyl]amino]carbony1]pheny1]-N-3-pyridiny1- (9CI) (CA INDEX NAME)

RN 486423-52-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[methyl(1-methyl-4piperidinyl)amino]carbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-53-4 CAPLUS CN

Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(1-piperidiny1)ethy1]amino]carbony1 ]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

486423-54-5 CAPLUS RN

Pyrazinecarboxamide, 3-amino-6-[4-[[(1-ethyl-3-CN piperidinyl)amino]carbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-55-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(1-methyl-2pyrrolidinyl)ethyl]amino]carbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486423-56-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-[[4-(1-pyrrolidinyl)-1-piperidinyl]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

- RN 486423-58-9 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486423-59-0 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-fluoro-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486423-60-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[3-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-61-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[2-[(4-methyl-1piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-62-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-63-6 CAPLUS

CN

Pyrazinecarboxamide, 3-amino-6-[2-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

## ●x HCl

RN 486423-64-7 CAPLUS CN Pyrazinecarboxamide

Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]amino]sulfonyl]-3-(trifluoromethoxy)phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-65-8 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]ethylamino]sul fonyl]-3-(trifluoromethoxy)phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

RN 486423-66-9 CAPLUS CN Pyrazinecarboxamide

Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]-2-(trifluoromethyl)phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-67-0 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-[2-(dimethylamino)ethoxy]phenyl]-N-3pyridinyl-, hydrochloride (9C1) (CA INDEX NAME)

- RN 486423-68-1 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[2-(4-morpholiny1)ethoxy]pheny1]-N-3pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486423-69-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]methylamino]ca rbonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486423-70-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[2-(4-methyl-1-piperazinyl)ethoxy]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 486423-71-6 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(4-morpholiny1)ethy1]amino]carbonyl | phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 486423-72-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[(1-methyl-3-pyrrolidinyl)oxy]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

- RN 486423-73-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[2-fluoro-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-74-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[5-fluoro-2-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

## ●x HCl

RN 486423-75-0 CAPLUS CN Pyrazinecarboxamide

Pyrazinecarboxamide, 3-amino-6-[2,5-dimethyl-4-[(4-methyl-1piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-76-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[2-(1-piperidinyl)ethoxy]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

### ●x HCl

RN 486423-77-2 CAPLUS

CN Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-[2-(1-pyrrolidinyl)ethoxy]phenyl]-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486423-79-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1piperazinyl)carbonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486423-81-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-[2-(4-morpholinyl)ethoxy]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

N 486423-82-9 CAPLUS

CN

Pyrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-[2-(1pyrrolidinyl)ethoxy]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

# ●x HCl

RN 486423-83-0 CAPLUS CN Pyrazinecarboxamide.

Pyrazinecarboxamide, 3-amino-6-[2,6-dimethyl-4-[2-(4-methyl-1-piperazinyl)ethoxy]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{N} \\ \text$$

RN 486423-84-1 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[2-methyl-4-[2-(4-methyl-1-piperazinyl)ethoxy]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{Me} \\ \text{N} \\ \text$$

## ●x HCl

RN 486423-88-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1piperazinyl)sulfonyl]phenyl]-N-[4-(1-pyrrolidinylmethyl)-3-pyridinyl]-, hydrochloride (9CI) (CA INDEX NAME)

PAGE 2-A

N

## ●x HC1

RN 486423-89-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-(1-pyrrolidinylsulfonyl)phenyl]-N-[4-[2-(1-pyrrolidinyl)ethyl]-3-pyridinyl]-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-90-9 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-(1-pyrrolidinyl)plenyl]-N-[5-[3-(1-pyrrolidinyl)propyl]-3-pyridinyl]-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

RN 486423-91-0 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-(1-piperidinylsulfonyl)phenyl)-N-[5-[3-(1-pyrrolidinyl)propyl]-3-pyridinyl]-, hydrochloride (9CI) (CA INDEX NAME)

PAGE 2-A

●x HCl

486423-92-1 CAPLUS RN

Foreign Carbon C CN

PAGE 2-A

●x HCl

486423-93-2 CAPLUS RN CN

Pyrazinecarboxamide, 3-amino-N-[5-[3-(1-pyrrolidiny1)propy1]-3-pyridiny1]-6-[4-(1-pyrrolidiny1sulfony1)pheny1]-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-94-3 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-[4-[2-(1-pyrrolidiny1)ethy1]-3-pyridiny1]-6[4-(1-pyrrolidiny1sulfony1)pheny1]-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486423-95-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-[4-[3-(1-pyrrolidinyl)propyl]-3-pyridinyl]-6-[4-(1-pyrrolidinylsulfonyl)phenyl]-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-96-5 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-[4-(1-pyrrolidiny1methy1)-3-pyridiny1]-6-[4-(1-pyrrolidiny1sulfony1)pheny1]-, hydrochloride (9CI) (CA INDEX NAME)

## •x HC1

RN 486423-97-6 CAPLUS

CN

Pyrazinecarboxamide, 3-amino-N-[4-[(dimethylamino)methyl]-3-pyridinyl]-6-[4-(1-pyrrolidinylsulfonyl)phenyl]-, hydrochloride (9CI) (CA INDEX NAME)

RN 486423-98-7 CAPLUS CN Pyrazinecarboxamide,

Pyrazinecarboxamide, 3-amino-N-[4-[(dimethylamino)methyl]-3-pyridinyl]-6[4-(1-piperidinylsulfonyl)phenyl]-, hydrochloride (9CI) (CA INDEX NAME)

## ●x HCl

RN 486423-99-8 CAPLUS

CN

Pyrazinecarboxamide, 3-amino-6-[3-ethyl-4-[(4-methyl-1piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA
INDEX NAME)

- RN 486424-00-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]-3-(trifluoromethoxy)phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486424-01-5 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[(2-aminoethyl)amino]sulfonyl]-3-(trifluoromethoxy)phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486424-04-8 CAPLUS
CN Pyrazinecarboxamide, 3-amino-N-3-pyridinyl-6-[4-(1-pyrolidinylsulfonyl)phenyl]-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

RN 486424-05-9 CAPLUS CN Pyrazinecarboxamide

Pyrazinecarboxamide, 3-amino-6-[4-(1-piperidinylsulfonyl)phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486424-06-0 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-(1-piperaziny1sulfony1)pheny1]-N-3pyridiny1-, hydrochloride (9CI) (CA INDEX NAME)

## ●x HCl

RN 486424-08-2 CAPLUS

CN

Pyrazinecarboxamide, 3-amino-6-[4-[2-(1-piperaziny1)ethoxy]pheny1]-N-3-pyridiny1-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486424-09-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-[2-(1-piperazinyl)ethoxy]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486424-12-8 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-N-[5-[3-(dimethylamino)propyl]-3-pyridinyl]-6[4-(1-piperidinylsulfonyl)phenyl]-, hydrochloride (9CI) (CA INDEX NAME)

RN 486424-14-0 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-[(dimethylamino)sulfonyl]phenyl]-N-3pyridinyl- (9C1) (CA INDEX NAME)

RN 486424-15-1 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[3-[(dimethylamino)sulfonyl]phenyl]-N-3pyridinyl- (9C1) (CA INDEX NAME)

- RN 486424-16-2 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[2-[(dimethylamino)sulfonyl]phenyl]-N-3-

pyridinyl- (9CI) (CA INDEX NAME)

RN 486424-17-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-(aminosulfonyl)phenyl]-N-3-pyridinyl-(9CI) (CA INDEX NAME)

RN 486424-19-5 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[3-(4-morpholiny1)propy1]amino]sulfony
1]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486424-21-9 CAPLUS

CN Pyrazinecazboxamide, 3-amino-6-[4-[(4-methyl-1piperazinyl)sulfonyl)phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- RN 486424-22-0 CAPLUS
- CN 2-Pyrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

- RN 486424-23-1 CAPLUS
- CN 2-Pyrazinecarboxamide, 3-amino-6-[3-fluoro-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

- RN 486424-24-2 CAPLUS
- CN 2-Pyrazinecarboxamide, 3-amino-6-[3-methyl-4-[(4-methyl-1piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 486424-25-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[2-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486424-26-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[3-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486424-27-5 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[2-methyl-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

RN 486424-28-6 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]amino]sulfonyl]-3-(trifluoromethoxy)phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486424-29-7 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]ethylamino]sul fonyl]-3-(trifluoromethoxy)phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{O Et} \\ \text{O = S-N-CH}_2\text{-CH}_2\text{-NMe}_2 \\ \text{F}_3\text{C-O} \\ \text{N} \end{array}$$

RN 486424-30-0 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-((4-methyl-1-piperazinyl)sulfonyl]-2(trifluoromethyl)phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486424-31-1 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-[2-(dimethylamino)ethoxy]phenyl]-N-3pyridinyl- (9CI) (CA INDEX NAME)

RN 486424-32-2 CAPLUS
CN Pyrazinecarboxamide, 3-amino-6-[4-[2-(4-morpholinyl)ethoxy]phenyl]-N-3pyridinyl- (9CI) (CA INDEX NAME)

$$\begin{array}{c} N \\ NH \\ C = O \\ H_2N \\ N \\ \end{array}$$

RN 486424-33-3 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]methylamino]ca rbonyl]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

RN 486424-34-4 CAPLUS

CN Pyrazinecarboxamide, 3-amino-6-[2,5-difluoro-4-(1pyrrolidinylsulfonyl)phenyl]-N-[5-[3-(1-pyrrolidinyl)propyl]-3-pyridinyl]-(9C1) (CA INDEX NAME)

RN 486424-40-2 CAPLUS

CN Carbamic acid, [[4-[5-amino-6-[(3-pyridinylamino)carbonyl]pyrazinyl]phenyl
]sulfonyl][2-[[(1,1-dimethylethoxy)carbonyl]amino]ethyl]-,
1,1-dimethylethyl ester (9C1) (CA INDEX NAME)

- RN 486424-41-3 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[2-(4-methyl-1piperazinyl)ethoxy]phenyl]-N-3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

- ●x HCl
- RN 486424-42-4 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[(1-methyl-3-pyrrolidinyl)oxy]phenyl]-N3-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)

RN 486424-43-5 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[2-fluoro-4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-3-pyridinyl- (CA INDEX NAME)

- IT 486422-09-7P, 3-Amino-6-[4-([[2-(dimethylamino)ethyl]amino]sulfony
  1)phenyl]-N-pyridin-3-ylpyrazine-2-carboxamide
  RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
  (Reactant or reagent)
   (preparation of pyrazine-2-carboxamides as glycogen synthase kinase-3 (GSK3)
- inhibitors) RN 486422-09-7 CAPLUS
- CN Pyrazinecarboxamide, 3-amino-6-[4-[[[2-(dimethylamino)ethyl]amino]sulfonyl
  ]phenyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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NEWS	9	APR	28	EMBASE Controlled Term thesaurus enhanced

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                 sequence search option
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                 patent numbers for U.S. applications
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                 reclassification data
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NEWS 21
         JUN 30 STN AnaVist enhanced with database content from EPFULL
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         JUL 28 CA/CAplus patent coverage enhanced
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         JUL 28 EPFULL enhanced with additional legal status
                 information from the epoline Register
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NEWS 26 AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
NEWS 27 AUG 13 CA/CAplus enhanced with printed Chemical Abstracts
                 page images from 1967-1998
NEWS 28 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 29 AUG 15 CAplus currency for Korean patents enhanced
NEWS 30 AUG 25 CA/Caplus, CASREACT, and IFI and USPAT databases
                 enhanced for more flexible patent number searching
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             AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
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                                                                0.21
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chain nodes :
7 14 15 16
ring nodes :
1 2 3 4 5
            6 8 9 10 11 12 13 17 18 19 20 21 22
chain bonds :
2-8 5-7 6-14 14-15 14-16 15-17
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13 17-18 17-22
18-19 19-20 20-21 21-22
exact/norm bonds :
5-7 14-15 14-16 15-17
exact bonds :
2-8 6-14
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13 17-18 17-22
18-19 19-20 20-21 21-22
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Match level : 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom 20:Atom 2:Atom 2:Atom 2

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=> d 11 L1 HAS NO ANSWERS L1 STR

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=> s 11 SAMPLE SEARCH INITIATED 15:00:21 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 43 TO ITERATE

100.0% PROCESSED 43 ITERATIONS 1 ANSWERS SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
PROJECTED ITERATIONS: 467 TO 1253
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> d scan

L2 1 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2-Pyrazinecarboxamide, 3-amino-6-(4-methoxyphenyl)-N-phenyl-

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

## ALL ANSWERS HAVE BEEN SCANNED

=> s 11 full

FULL SEARCH INITIATED 15:00:36 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 826 TO ITERATE

100.0% PROCESSED 826 ITERATIONS SEARCH TIME: 00.00.01 25 ANSWERS

L3 25 SEA SSS FUL L1

=> d scan

- L3 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN 2-Pyrazinecarboxamide, 3-amino-N-(3-cyanophenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl|phenyl]-
- MF C23 H23 N7 O3 S
- CI COM

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

- L3 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN 2-Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-[3-(trifluoromethyl)phenyl]-, hydrochloride

HC1

- T.3
- 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN 2-Pyrazinecarboxamide, 3-amino-N-[2-(aminocarbonyl)phenyl]-6-[4-[(4-methyl-IN
- 1-piperazinyl)sulfonyl]phenyl]-, hydrochloride (1:1)
- MF C23 H25 N7 O4 S . C1 H

HCl

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=> s 13 L4 3 L3

=> d 14 1-3 ibib hitstr

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:759828 CAPLUS

DOCUMENT NUMBER: 141:260774

TITLE: Preparation of pyrazinecarboxamide compounds as inhibitors of transforming growth factor (TGF)

signaling pathway INVENTOR(S): Munchhof, Michael J.

PATENT ASSIGNEE(S): Pfizer Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 26 pp. CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIN				D	DATE			APPLICATION NO.										
US 20040180905				A1 20040916			US 2004-798198											
US 7199123 CA 2517720				B2 A1				CA 2004-2517720						20040223				
	WO 2004080982 A1							WO 2004-IB581										
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,	
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,	
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,	
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	
		TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW	
	RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	
		BY,	KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	
		ES,	FI,	FR.	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	
		TR,	BF,	BJ,	CF.	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG
EP	EP 1606267			A1		2005	1221		EP 2004-713617				20040223					

20080730 EP 1606267 B1 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK Α 20060301 20040223 BR 2004008251 BR 2004-8251 JP 2006519833 20040223 Т 20060831 JP 2006-506288 PRIORITY APPLN. INFO .: US 2003-453784P P 20030311 WO 2004-IB581 W 20040223

OTHER SOURCE(S): MARPAT 141:260774

625469-79-6P 756521-87-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(preparation of pyrazinecarboxamides as inhibitors of TGF-β signaling pathway)

RN 625469-79-6 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-N,6-diphenyl- (CA INDEX NAME)

RN 756521-87-6 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-(4-methoxyphenyl)-N-phenyl- (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

18 L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:534194 CAPLUS

DOCUMENT NUMBER: 141:89114

TITLE: Preparation of novel 3-aminopyrazine-2-carboxamides

having selective inhibiting effect at GSK3

INVENTOR(S): Berg, Stefan; Hellberg, Sven

PATENT ASSIGNEE(S): Astrazeneca Ab, Swed.; Soederman, Peter

SOURCE: PCT Int. Appl., 62 pp.

CODEN: PIXXD2 DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004055006	A1	20040701	WO 2003-SE1956	20031215

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             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
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             ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
             TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
     AU 2003287136
                          A1
                                20040709
                                           AU 2003-287136
     EP 1575939
                          A1
                                20050921
                                            EP 2003-781205
                                                                   20031215
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2006516124
                          Т
                                20060622
                                            JP 2004-560224
                                                                    20031215
     US 20060173014
                                20060803
                                            US 2005-539546
                                                                    20050616
                          A1
PRIORITY APPLN. INFO.:
                                            SE 2002-3752
                                                                A 20021217
                                            WO 2003-SE1956
                                                                W 20031215
OTHER SOURCE(S):
                         MARPAT 141:89114
     714237-14-6P 714237-16-8P 714237-17-9P
     714237-18-0P 714237-19-1P 714237-20-4P
     714237-21-5P 714237-22-6P 714237-32-8P
     714237-33-9P 714237-34-0P 714237-35-1P
     714237-36-2P 714237-43-1P 714237-47-5P
     714237-48-6P 714237-49-7P 714237-50-0P
     714237-51-1P 714237-52-2P 714237-57-7P
     714237-58-8P 714237-68-0P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of novel 3-aminopyrazine-2-carboxamides having selective
        inhibiting effect at GSK3)
RN
     714237-14-6 CAPLUS
CN
     2-Pvrazinecarboxamide, 3-amino-N-(3-nitrophenv1)-6-[4-(1-
     pyrrolidinylsulfonyl)phenyl]- (CA INDEX NAME)
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RN 714237-16-8 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-N-(2-methoxyphenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

## ● HCl

RN 714237-17-9 CAPLUS CN 2-Pyrazinecarboxamic

2-Pyrazinecarboxamide, 3-amino-N-(4-methoxypheny1)-6-[4-[(4-methy1-1-piperaziny1)sulfony1]pheny1]-, hydrochloride (1:1) (CA INDEX NAME)

## ● HC1

RN 714237-18-0 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-N-[2-(aminocarbonyl)phenyl]-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

HC1

RN 714237-19-1 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-N-[3-(aminocarbonyl)phenyl]-6-[4-[(4-methyl-1-piperazinyl)gulfonyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

HCl

RN 714237-20-4 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-N-(3-cyanophenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl)phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

● HCl

RN 714237-21-5 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-N-(2-bromophenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

● HCl

RN 714237-22-6 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-N-(3-bromophenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

● HCl

RN 714237-32-8 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-N-(3-methoxyphenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

• HCl

RN 714237-33-9 CAPLUS

CN 2-Pyrazinecarboxamide, N-(3-acetylphenyl)-3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

• HCl

RN 714237-34-0 CAPLUS CN 2-Pvrazinecarboxami

2-Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-N-[3-(trifluoromethyl)phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

● HCl

RN 714237-35-1 CAPLUS

CN 2-Pyrazinecarboxamide, N-[3-(acetylamino)phenyl]-3-amino-6-[4-[(4-methyl-1piperazinyl)sulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-36-2 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-N-[3-(aminosulfonyl)phenyl]-6-[4-[(4-methyl-l-piperazinyl)gulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-43-1 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-N-(3-methoxyphenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-47-5 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-N-(4-methoxyphenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-48-6 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-N-[2-(aminocarbonyl)phenyl]-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-49-7 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-N-[3-(aminocarbonyl)phenyl]-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-50-0 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-N-(3-cyanophenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-51-1 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-N-(2-bromophenyl)-6-[4-[(4-methyl-1-piperazinyl)]oulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-52-2 CAPLUS
CN 2-Pyrazinecarboxamide, 3-amino-N-(3-bromophenyl)-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-57-7 CAPLUS
CN 2-Pyrazinecarboxamide, N-(3-acetylphenyl)-3-amino-6-[4-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]- (CA INDEX NAME)

RN 714237-58-8 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-6-[4-[(4-methyl-1-piperaziny1)sulfony1]pheny1]-N-[3-(trifluoromethy1)pheny1]- (CA INDEX NAME)

RN 714237-68-0 CAPLUS

CN 2-Pyrazinecarboxamide, 3-amino-N-(2-methoxypheny1)-6-[4-[(4-methyl-1-piperaziny1)sulfony1]pheny1]- (CA INDEX NAME)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:892800 CAPLUS

DOCUMENT NUMBER: 139:395950

TITLE: Preparation of substituted pyrazines as protein kinase

modulators

INVENTOR(S): Buhr, Chris A.; Baik, Tae-Gon; Ma, Sunghoon; Tesfai, Zerom; Wang, Longcheng; Co, Erick Wang; Epshteyn,

Sergey; Kennedy, Abigail R.; Chen, Baili; Dubenko, Larisa; Anand, Neel Kumar; Tsang, Tsze H.; Nuss, John M.; Peto, Csaba J.; Rice, Kenneth D.; Ibrahim, Mohamed Abdulkader; Schnepp, Kevin Luke; Shi, Xian; Leahy, James William; Chen, Jeff; Dalrymple, Lisa Esther; Forsyth, Thimothy Patrick; Huvnh, Tai Phat; Mann,

Grace: Mann, Larv Wayne: Takeuchi, Craig Stacy PATENT ASSIGNEE(S): Exelixis, Inc., USA

PCT Int. Appl., 468 pp.

CODEN: PIXXD2 DOCUMENT TYPE: Patent

LANGUAGE: English FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

SOURCE:

PATENT NO.			DATE		ICATION 1	DATE				
WO 20030932 WO 20030932	97	A2	20031113				20030502			
				BA. BB.	BG. BR.	BY. BZ	, CA, CH, CN,			
							, GD, GE, GH,			
							LC, LK, LR,			
							, NO, NZ, OM,			
							, TN, TR, TT,			
			VC, VN,			,	,,,			
						ZM. ZW	, AM, AZ, BY,			
							, DK, EE, ES,			
							, SI, SK, TR,			
							, SN, TD, TG			
							20030502			
							20030502			
							20030502			
							, SE, MC, PT,			
			RO, MK,							
							20030502			
							20050727			
PRIORITY APPIN.							P 20020503			
					003-US13					
OTHER SOURCE(S):		MARPAT	139:3959		0010.					
IT 625469-79-6P										

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of protein kinase modulators)

625469-79-6 CAPLUS RN

CN 2-Pyrazinecarboxamide, 3-amino-N,6-diphenyl- (CA INDEX NAME)

=> log hold
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 20.37 199.40

SESSION WILL BE HELD FOR 120 MINUTES STN INTERNATIONAL SESSION SUSPENDED AT 15:12:29 ON 26 AUG 2008